

09/864,711

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"Examiner Search Notes"

Thank you.

James Martinell
Primary Examiner 1631

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OM nucleic - nucleic search, using sw model

Run on: February 6, 2005, 18:40:00 ; Search time 332.654 Seconds
(without alignments)
9670.472 Million cell updates/sec

Title: US-09-864-711-1

Perfect score: 1966

Sequence: 1 caaatggagcgtcgaagaa.....atgcataaaaaaaaaa 1966

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*

- 1: /cgn2_6/prodata/1/ina/5A_COMB.seq:*
- 2: /cgn2_6/prodata/1/ina/5B_COMB.seq:*
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- 6: /cgn2_6/prodata/1/ina/Backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1944.4	98.9	2917	4	US-09-907-794A-189
2	1944.4	98.9	2917	4	US-09-905-125A-189
3	1944.4	98.9	2917	4	US-09-902-775A-189
4	1944.4	98.9	2917	4	US-09-906-700-189
5	1944.4	98.9	2917	4	US-09-903-603A-189
6	1944.4	98.9	2917	4	US-09-904-920A-189
7	1944.4	98.9	2917	4	US-09-909-064-189
8	1944.4	98.9	2917	4	US-09-905-381A-189
9	1944.4	98.9	2917	4	US-09-906-618-189
10	195.8	10.0	199	4	US-09-513-999C-15660
11	164.6	8.4	4360	1	US-08-470-350B-1
12	156	7.9	167	1	US-08-700-575-39
13	124.4	6.3	5943	4	US-09-976-594-272
14	122.8	6.2	5802	3	US-09-341-587-4
15	73.4	3.7	2001	3	US-09-341-587-2
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18	54.2	2.8	5021	4	US-09-285-385C-1
19	52.6	2.7	3690	3	US-08-991-408-3
20	52.6	2.7	3690	3	US-09-432-473-3
21	52.6	2.7	3919	2	US-08-866-650-4
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23	52.6	2.7	3919	2	US-09-240-473-4
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28	51	2.6	5145	3	US-09-432-473-1	Sequence 1, Appli
29	48.4	2.5	1802	3	US-09-032-523-5	Sequence 5, Appli
30	48.4	2.5	1802	4	US-09-802-633-5	Sequence 103, App
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32	48.4	2.5	2026	4	US-09-905-125A-103	Sequence 103, App
33	48.4	2.5	2026	4	US-09-902-775A-103	Sequence 103, App
34	48.4	2.5	2026	4	US-09-906-700-103	Sequence 103, App
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39	48.4	2.5	2026	4	US-09-906-618-103	Sequence 103, App
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41	47.6	2.4	1806	4	US-09-800-728-75	Sequence 75, Appli
42	47.6	2.4	1806	4	US-10-067-422-5	Sequence 103, App
43	47	2.4	47	4	US-09-907-794A-193	Sequence 193, App
44	47	2.4	47	4	US-09-905-125A-193	Sequence 193, App
45	47	2.4	47	4	US-09-902-775A-193	Sequence 193, App

ALIGNMENTS

RESULT 1
US-09-907-794A-189
Sequence 189, Application US/09907794A
Patent No. 6635468
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kilavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,794A
PRIOR FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20534
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547


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/ PRIOR FILING DATE: 1999-12-16
/ PRIOR APPLICATION NUMBER: PCT/US99/30911
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US99/30999
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US00/00219
/ PRIOR FILING DATE: 2000-01-05
/ NUMBER OF SEQ ID NOS: 423
/ SEQ ID NO 189
/ LENGTH: 2917
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-902-775A-189

Query Match      98.9%; Score 1944.4; DB 4; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Qy 1 CAAATGAGAGCTTGTAGAAGGCTCATGCAATGACCTCTTAATCTCTCTGTTGGC 60
Db 960 CAAATGAGAGCTTGTAGAAGGCTCATGCAATGACCTCTTAATCTCTCTGTTGGC 1019

Qy 61 GGA-CTGACAAATGCGGAGGCTGAAGGCAATGCAAGCTGCAAGTCTAGGGGGTGC 119
Db 1020 GGAGCTGACAAATGCGGAGGCTGAAGGCAATGCAAGCTGCAAGTCTAGGGGGTGC 1079

Qy 120 CAATATGGAGAGAGCCCAAGGCAATGATCTGCACTGCAATCCAGTGAAGATCTGCAC 179
Db 1080 CAATATGGAGAGAGCCCAAGGCAATGATCTGCACTGCAATCCAGTGAAGATCTGCAC 1139

Qy 180 CTGACAAATAGAAAGACAGAAACAAAGACATCAGATTAATCTTTCTTATGTCAGCT 239
Db 1140 CTGACAAATAGAAAGACAGAAACAAAGACATCAGATTAATCTTTCTTATGTCAGCT 1199

Qy 240 TGAATCAGATGAGAGCTGTGAAGAGTGAAGAAATTAAGTCTTTGACGGAACCTCCAGCA 299
Db 1200 TGAATCAGATGAGAGCTGTGAAGAGTGAAGAAATTAAGTCTTTGACGGAACCTCCAGCA 1259

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Db 1260 TGGGCTCTGCTTGAAGGCAAGTCTGCAATGAAGAAACGATATGTTCTGTATTTGAATCATC 1319

Qy 360 ATCCAGATCATGACGTTTCAATAGTATCTGACTGACAGAGAATTAAGAAATCTGCTT 419
Db 1320 ATCCAGATCATGACGTTTCAATAGTATCTGACTGACAGAGAATTAAGAAATCTGCTT 1379

Qy 420 TGTCTTCTACTACTTCTTCTCTCTCTAATCATCTCTATTCGAACTGTGGCGTAACTGGA 479
Db 1380 TGTCTTCTACTACTTCTTCTCTCTCTAATCATCTCTATTCGAACTGTGGCGTAACTGGA 1439

Qy 480 TACCTTGAAGAGATCTTCAACAGCCCAATTAACCAAGCCGATCTGAGCTGGCTTA 539
Db 1440 TACCTTGAAGAGATCTTCAACAGCCCAATTAACCAAGCCGATCTGAGCTGGCTTA 1499

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Db 1500 TTGTGTGTCGACATACAGAGTGAAGAAATTAAGAAATTAAGAAATTAAGAAATTAAGAAAT 1559

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Db 1560 TTTCTAGAAATAGACAAACAGTGAATTTGATTTCTTGCCATCTATGATGAGCCCTTC 1619

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Db 1620 CACCAACTCTGGCTGTGATTTGACAGAGTCTGTGGCCGTGTGACTCCACCTTGAAATCGTC 1679

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Db 1740 TGTCTTCTACACCTCAATTTATGAGAAACATCAACTACATCTTTAACTTGTCTTC 1799
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Qy 900 TAACTTGAACATTAAGAACCCCACTTGACAGCAAAATTAATCAATGTTGGAAATTTTC 959
Db 1860 TAACTTGAACATTAAGAACCCCACTTGACAGCAAAATTAATCAATGTTGGAAATTTTC 1919

Qy 960 TGTCCCTCTTAATGAGATGTGTACATCAAGAAAGTGAAGATCAGTCAATTAATTAAC 1019
Db 1920 TGTCCCTCTTAATGAGATGTGTACATCAAGAAAGTGAAGATCAGTCAATTAATTAAC 1979

Qy 1020 CAATTAATACACCTTTCTGCACTCTCTCACTCTGAAGATGACACCCGACAAACACT 1079
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Qy 1080 CCAGATTAATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGAT 1139
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Qy 1140 AGAAGATGATGATTAATTAAGAAAGTCAAAATGCACTGGGCAAAATTAACACAGATGCTCT 1199
Db 2100 AGAAGATGATGATTAATTAAGAAAGTCAAAATGCACTGGGCAAAATTAACACAGATGCTCT 2159

Qy 1200 TTTTGAATTCATTTCAATTTGAAGAAAGATTAATTAATTAATTAATTAATTAATTAAT 1259
Db 2160 TTTTGAATTCATTTCAATTTGAAGAAAGATTAATTAATTAATTAATTAATTAATTAAT 2219

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Db 2220 CCAAACTCTTTTGTCAAGTGTGACACCTCAGATCCAAATTTGGTGTGTCT 2279

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Qy 1380 GAGTGAATGTAGTGAAGATGAAGAACTTGAAGTGAATCCCTTAATTTGACACTATGGGAG 1439
Db 2340 GAGTGAATGTAGTGAAGATGAAGAACTTGAAGTGAATCCCTTAATTTGACACTATGGGAG 2399

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Db 2400 ATTCCAGTTTAATGCTTTTAATTTCTGAAGATGAGTCTGTGATCTGCACTGATTA 2459

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Db 2460 AGTTTGAATGTAGTGAAGATGAAGCAACAGTCTGCTGCAATCAAGGTTGTCTCAG 2519

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Db 2520 AAGCAACGAGACATTTCTTCAATTAATGAAGAAACAGATTCATCATAGACCCATTCG 2579

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Db 2580 TCTGAAAAGGGATGGAATGGAAGTGAAGTTCAGAAATTTGAGATGAAGAAACAGTGGGA 2639

Qy 1680 AGAAATCTCAAAACAGCTTTCAACAGTGTGATCTGTTTCTTCAATGTTCTTACGCTCT 1739
Db 2640 AGAAATCTCAAAACAGCTTTCAACAGTGTGATCTGTTTCTTCAATGTTCTTACGCTCT 2699

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Db 2700 GATGTGTGTGATCTGATGAGCAATCAAGTGAAGGATTTTGAATCAACGGGAGACTA 2759

Qy 1800 CAATATCAGAAAGCTGAGAACTATTAATTAATCAAGTTCACCTTAATGAGACATGTTT 1859
Db 2760 CAATATCAGAAAGCTGAGAACTATTAATTAATCAAGTTCACCTTAATGAGACATGTTT 2819

Qy 1860 CTCAGATGTCCAAGAAATGCTAATCTGTGGCTACATATTAATGAATTAATGAGGA 1919
Db 2820 CTCAGATGTCCAAGAAATGCTAATCTGTGGCTACATATTAATGAATTAATGAGGA 2879
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Qy 1920 GGGCTGAAGTACACACAGGCTTCATCTCAAAAA 1957
 Db 2880 GGGCTGAAGTACACACAGGCTTCATCTCAAAAA 2917

RESULT 4
 US-09-906-700-189
 ; Sequence 189, Application US/09906700
 ; Patent No. 672353
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: Kijavlin, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Peoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; TITLE OF INVENTION: Acids Encoding the Same
 ; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/906,700
 ; PRIOR FILING DATE: 2000-09-18
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414
 ; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219

;; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-906-700-189

Query Match 98.9%; Score 1944.4; DB 4; Length 2917;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Qy 1 CAAATGAGCTTTGTAAGAGGCTCATCCATTGACCTTTATCTCTCTGTTGGC 60
 Db 960 CAAATGAGCTTTGTAAGAGGCTCATCCATTGACCTTTATCTCTCTGTTGGC 1019
 Qy 61 GGA-CTGACAAATGCGGAGGCTGTAAGGCAATGCAAGCTGCACTGATGTAAGGAGTGC 119
 Db 1020 GGAAGCTGACAAATGCGGAGGCTGTAAGGCAATGCAAGCTGCACTGATGTAAGGAGTGC 1079
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 Db 1080 CAATATGCGAGAGACCCCAAAAGCCATGATCTGCAATCCCAATCCGATGAGAACTGAC 1139
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 Qy 360 ATCCAGTACATTTGACGTTTCAAAATGATTAATGATCTGACGAAAGTCAAAAGACTGCTT 419
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1980 CAATTAATCACTTTTCTGCAATCTTCAAGTGTGATCAAGTGTGATCAAGTGTGATCAAGT 2039
1080 CCAGATTTATGAGTGTGATGAGATGAGATCAATTAATTAAGTGTGATCAAGTGTGATCAAGT 1139
2040 CCAGATTTATGAGTGTGATGAGATGAGATCAATTAATTAAGTGTGATCAAGTGTGATCAAGT 2099
1140 AGAAGATGATGATTAATCAAAAGTCAAAATGCACTGGGCAAAATTAACACAGCATGGCTCT 1199
2100 AGAAGATGATGATTAATCAAAAGTCAAAATGCACTGGGCAAAATTAACACAGCATGGCTCT 2159
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RESULT 5

US-09-903-603A-189
Sequence 189, Application US/09903603A
Patent No. 6/76795
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Geider, Hanspeter
APPLICANT: Gerritsen, Mary B.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mathier, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: GNE.1618P2C12
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: US/09/903, 603A
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens

US-09-903-603A-189

Query Match 98.9%; Score 1944.4; DB 4; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY	1	CAAAATGAGCTGTGAGAGGCTGATGCCAATGACCCCTTAAATTTCTCTCTGTTGGC	60
DB	960	CAAAATGAGCTGTGAGAGGCTGATGCCAATGACCCCTTAAATTTCTCTCTGTTGGC	1019
QY	61	GGA-CTGCAATGCGGAGGCTGAGAGCAATGCAAGTGCACAGTCACTAGGGGAGTGC	119
DB	1020	GGA-CTGCAATGCGGAGGCTGAGAGCAATGCAAGTGCACAGTCACTAGGGGAGTGC	1079
QY	120	CAAAATGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	179
DB	1080	CAAAATGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1139
QY	180	CTGCAATGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	239
DB	1140	CTGCAATGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1199
QY	240	TGATCCGATGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	299
DB	1200	TGATCCGATGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1259
QY	300	TGGGCGCTCTGCTAGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	359
DB	1260	TGGGCGCTCTGCTAGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1319
QY	360	ATCCAGTACATTTGACGTTTCAAAATGTTACTGATCGACGAAATTCAGAACTGCTT	419
DB	1320	ATCCAGTACATTTGACGTTTCAAAATGTTACTGATCGACGAAATTCAGAACTGCTT	1379
QY	420	TGCTCTTACTACTCTTCT	479
DB	1380	TGCTCTTACTACTCTTCT	1439
QY	480	TACCTTGAAGAGTCTTCCACAGCCCAATTCACCAAGCCGATCTGAGTGGCTTA	539
DB	1440	TACCTTGAAGAGTCTTCCACAGCCCAATTCACCAAGCCGATCTGAGTGGCTTA	1499
QY	540	TGTGTGTGGACATCAAGTGGAGAAAGTTTCAAGATTAACCTTCAAGAGAT	599
DB	1500	TGTGTGTGGACATCAAGTGGAGAAAGTTTCAAGATTAACCTTCAAGAGAT	1559
QY	600	TTTCTTGAAGATGACAAACAGTGAATTTGATTTTCTTGCATCTATGATGGCCCTTC	659
DB	1560	TTTCTTGAAGATGACAAACAGTGAATTTGATTTTCTTGCATCTATGATGGCCCTTC	1619
QY	660	CACCAACTGCGCTGATGAGCAAGTCTGTGGCGGTGATCCGACCTTGAATGCTC	719
DB	1620	CACCAACTGCGCTGATGAGCAAGTCTGTGGCGGTGATCCGACCTTGAATGCTC	1679
QY	720	ATCAAACTCTGATGCTGT	779
DB	1680	ATCAAACTCTGATGCTGT	1739
QY	780	TGCTTCTTCACTCAATTTTATGCAAAAACATCAACACTATCTTTTATCTTCTCTTC	839
DB	1740	TGCTTCTTCACTCAATTTTATGCAAAAACATCAACACTATCTTTTATCTTCTCTTC	1799
QY	840	TGACAGATGAGATTTATTAAGCAAAATCTTACCTAGAGGCTTTTAACTTAATGGAA	899
DB	1800	TGACAGATGAGATTTATTAAGCAAAATCTTACCTAGAGGCTTTTAACTTAATGGAA	1859
QY	900	TAACTTGAACATAAAGACCAACTTGCAGCAAAATTTATCAATGTGTGAAATTTTC	959
DB	1860	TAACTTGAACATAAAGACCAACTTGCAGCAAAATTTATCAATGTGTGAAATTTTC	1919
QY	960	TGTCCCTTTAATGATGT	1019
DB	1920	TGTCCCTTTAATGATGT	1979

QY	1020	CAAAATGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1079
DB	1980	CAAAATGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	2039
QY	1080	CCAGATTTATTTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1139
DB	2040	CCAGATTTATTTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	2099
QY	1140	AGAAATGATGATTAATCAAAATGCAATGCACTGGGCAAAATTAACACAGATGGCTCT	1199
DB	2100	AGAAATGATGATTAATCAAAATGCAATGCACTGGGCAAAATTAACACAGATGGCTCT	2159
QY	1200	TTTGAATCAATTTCTTTGAAAAGATTAATCTTAATCAATTAATTAATTAATTAATTAAT	1259
DB	2160	TTTGAATCAATTTCTTTGAAAAGATTAATCTTAATCAATTAATTAATTAATTAATTAAT	2219
QY	1260	CCAAACTCTTTTGTTCAGGTTAGTCTGACACCTCGAGATCCAAATTTGGTGTGTTCT	1319
DB	2220	CCAAACTCTTTTGTTCAGGTTAGTCTGACACCTCGAGATCCAAATTTGGTGTGTTCT	2279
QY	1320	TGATACCTGTAGAGGCTCCCACTCTGATCTTTGCAATCTTACGACCTTAATCAA	1379
DB	2280	TGATACCTGTAGAGGCTCCCACTCTGATCTTTGCAATCTTACGACCTTAATCAA	2339
QY	1380	GAGTGAATGATGAGTGAATGAACTTGTAGTGTATCCCTTAATTTGACACTATGGAG	1439
DB	2340	GAGTGAATGATGAGTGAATGAACTTGTAGTGTATCCCTTAATTTGACACTATGGAG	2399
QY	1440	ATTCCAGTTAATGCTTTTAAATTTCTGAGAAATTAAGTCTGTGTATCTGAGTGTAA	1499
DB	2400	ATTCCAGTTAATGCTTTTAAATTTCTGAGAAATTAAGTCTGTGTATCTGAGTGTAA	2459
QY	1500	AGTTTGAATGATGATGAGTGAACCAAGTCTGCTGCAATCAAGTTGTGTCTCCAG	1559
DB	2460	AGTTTGAATGATGATGAGTGAACCAAGTCTGCTGCAATCAAGTTGTGTCTCCAG	2519
QY	1560	AAGCAAGAGACATTTCTTCAATTAATGAAAAAGATTCATATAGAACCCATTCG	1619
DB	2520	AAGCAAGAGACATTTCTTCAATTAATGAAAAAGATTCATATAGAACCCATTCG	2579
QY	1620	TCTGAAAAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT	1679
DB	2580	TCTGAAAAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT	2639
QY	1680	AGAAACTTCCAAACAGCTTTCAACAGTGTGATCTGTTTCTTCAATGTTCTAGCTCT	1739
DB	2640	AGAAACTTCCAAACAGCTTTCAACAGTGTGATCTGTTTCTTCAATGTTCTAGCTCT	2699
QY	1740	GAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	1799
DB	2700	GAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG	2759
QY	1800	CAAAATCAAGAGCTGAGAACTAATTAACAGTCCCAACCTTAAGTGAAGATGTTT	1859
DB	2760	CAAAATCAAGAGCTGAGAACTAATTAACAGTCCCAACCTTAAGTGAAGATGTTT	2819
QY	1860	CTTCAGAGTGCAGAAAGAAATGCTTACTCTGTGCTTACATTTATTAATTAATGAAGAA	1919
DB	2820	CTTCAGAGTGCAGAAAGAAATGCTTACTCTGTGCTTACATTTATTAATTAATGAAGAA	2879
QY	1920	GAGGCTGAAAGTGAACACAGGCTGATGCAAAAAA	1957
DB	2880	GAGGCTGAAAGTGAACACAGGCTGATGCAAAAAA	2917

RESULT 6
US-09-904-920A-189
; Sequence 189, Application US/09904920A
; Patent No. 6806352
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi

APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, A.
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APPLICANT: Gurney, Austin L.
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APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mathner, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,920A
CURRENT FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
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PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
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PRIOR FILING DATE: 1999-09-15
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PRIOR APPLICATION NUMBER: PCT/US99/28214
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PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-904-920A-189

Query Match 98.9%; Score 1944.4; DB 4; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 CAAATGAGCTGTGTAAGAGGCTCATGCAATGACCCCTTAATCTCTCGTTTGGC 60
DB 960 CAAATGAGCTGTGTAAGAGGCTCATGCAATGACCCCTTAATCTCTCGTTTGGC 1019
QY 61 GGA-CTGACAAATGGCGAGGCTGAAAGGCATGCAAGCTGCAACAGTCACTTAAGGGGTGC 119
DB 1020 GGAGCTGACAAATGGCGAGGCTGAAAGGCATGCAAGCTGCAACAGTCACTTAAGGGGTGC 1079
QY 120 CAATATGGCAGAGACCCCAAAAGCCATATCTGCAATCTCAATCCCAAGTGAATGCAAC 179
DB 1080 CAATATGGCAGAGACCCCAAAAGCCATATCTGCAATCTCAATCCCAAGTGAATGCAAC 1139
QY 180 CTGACAAATGAGAGACCAAGAAACAAAGAGATGATATCTTCTTATGTCAGCT 239
DB 1140 CTGACAAATGAGAGACCAAGAAACAAAGAGATGATATCTTCTTATGTCAGCT 1199
QY 240 TGATCAGATGGAAGCTGTGAAAGTGAATTAAGTCTTTGACGGAACCTCCAGAA 299
DB 1200 TGATCAGATGGAAGCTGTGAAAGTGAATTAAGTCTTTGACGGAACCTCCAGAA 1259
QY 300 TGGGCTCTGCTAGGGCAAGTCTGCAATTAAGACGATATGTTCTGTATTTGAATATC 359
DB 1260 TGGGCTCTGCTAGGGCAAGTCTGCAATTAAGACGATATGTTCTGTATTTGAATATC 1319
QY 360 ATCCAGTACATGACGTTTCAAAATGTAATGTAAGTCAAGCAAGTCAAGTCAAGTCTT 419
DB 1320 ATCCAGTACATGACGTTTCAAAATGTAATGTAAGTCAAGCAAGTCAAGTCAAGTCTT 1379
QY 420 TGTCTTCTACTACTCTCTCTCTCTCAATCATCTTAATCAAGTGTGCGGTTACTGGA 479
DB 1380 TGTCTTCTACTACTCTCTCTCTCTCAATCATCTTAATCAAGTGTGCGGTTACTGGA 1439
QY 480 TACTTGGAGAGATCTTACCAAGCCCAATTAACCAAGCCGATCTGTAGTGGCTTAA 539
DB 1440 TACTTGGAGAGATCTTACCAAGCCCAATTAACCAAGCCGATCTGTAGTGGCTTAA 1499
QY 540 TTGTGTGGGACATPACAGTGGAGAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGT 599
DB 1500 TTGTGTGGGACATPACAGTGGAGAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGT 1559
QY 600 TTTCTTGAAGATGACAAACAGTCAATTTTCTTCCATCTATGATGAGGCGCTTC 659
DB 1560 TTTCTTGAAGATGACAAACAGTCAATTTTCTTCCATCTATGATGAGGCGCTTC 1619
QY 660 CACCAACTGTGCGTGTATGGAACAAGTGTGCGCGTGTGACTCCACCTTGAATGTC 719
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DB 1680 ATCAAACTGTGACGTGCTGTGTCTACAGATTTATGCAATCTTACCGGGATTTTC 1739
QY 780 TGCTTCTGACACCTCAATTTATGCAAGAAACATCAACCTACCTTTACCTGCTTTC 839
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QY 840 TGACAGATGAGAGTATTAATGCAAAATCTTACCTAGAGCTTTTAACTTAATGGGA 899
DB 1800 TGACAGATGAGAGTATTAATGCAAAATCTTACCTAGAGCTTTTAACTTAATGGGA 1859
QY 900 TAACTTGAATTAAGAACCCCAACTTGTGACGCAAAATTAATCAAAATGTTGGAAATTTTC 959
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QY 960 TGTCCTCTTAATGAGATGTGTATGCAATGAGAAAGTGAATGATCAATTAATCAAC 1019
DB 1920 TGTCCTCTTAATGAGATGTGTATGCAATGAGAAAGTGAATGATCAATTAATCAAC 1979
QY 1020 CAATTAATCAACTTTTCTGTGATCTCAACTTGTGAAGTGAACCCGTCGAGAAACAAT 1079
DB 1980 CAATTAATCAACTTTTCTGTGATCTCAACTTGTGAAGTGAACCCGTCGAGAAACAAT 2039
QY 1080 CCAATTAATGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1139

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Db 2100 AGAAGATGATGTAATACAAAGTCAAATGCACTGGGCAATATATACACAGCATGGCTCT 2159
Qy 1200 TTTGAATCCAAATTCATTTGAAAAGACATATCTGAAACACCATATATATGATGATTTGAA 1259
Db 2160 TTTGAATCCAAATTCATTTGAAAAGACATATCTGAAACACCATATATATGATGATTTGAA 2219
Qy 1260 CCAAACTCTTTTGTCAAGTTAGTCTGCAACCTCAGATCCAATTTGGTGTGTTCT 1319
Db 2220 CCAAACTCTTTTGTCAAGTTAGTCTGCAACCTCAGATCCAATTTGGTGTGTTCT 2279
Qy 1320 TGATACCTGTAGAGCTCTCCCACTCTGATTTGATCTTCAACCTTACGACTAATCA 1379
Db 2280 TGATACCTGTAGAGCTCTCCCACTCTGATTTGATCTTCAACCTTACGACTAATCA 2339
Qy 1380 GAGTGAATGATGTCGATGATAAATTGTAAGTGTATCCCTTATTTGAGACTATGGAG 1439
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Qy 1440 ATTCCAGTTTAATGCTTTTAAATCTTGAAGATGAGCTCTGTATCTGAGTGTAA 1499
Db 2400 ATTCCAGTTTAATGCTTTTAAATCTTGAAGATGAGCTCTGTATCTGAGTGTAA 2459
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Db 2460 AGTTTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2519
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Qy 1740 GAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1799
Db 2700 GAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2759
Qy 1800 CAAATACCAAGAGCTGCAATTAATTAACAAGTCCAACTTAAGGAGACATGTTT 1859
Db 2760 CAAATACCAAGAGCTGCAATTAATTAACAAGTCCAACTTAAGGAGACATGTTT 2819
Qy 1860 CTCGAGATGCAAAAGAAATGCTTCTGTGCTTACATATATATATATATATATATATAT 1919
Db 2820 CTCGAGATGCAAAAGAAATGCTTCTGTGCTTACATATATATATATATATATATATAT 2879
Qy 1920 GGGCTGAAAGTGAACACACAGGCTGATGCAAAAAA 1957
Db 2880 GGGCTGAAAGTGAACACACAGGCTGATGAAAAA 2917
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RESULT 7
US-09-909-064-189
Sequence 189, Application US/09909064
Patent No. 6818449

GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman

```
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gueney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: KJavian, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Peoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/909,064
PRIOR FILING DATE: 2001-07-18
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
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PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
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PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
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PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-909-064-189
Query Match 98.9%; Score 1944.4; DB 4; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
Qy 1 CAAATGAGCTTGTAAAGGCTCATGCAATGACCTCTTAATCTCTCTGTTGGC 60
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Qy 61 GGA-CTGACAAATGAGGAGGCTGAAGGCAATGCAAGCTGCAAGTCTTAAAGGGGTGC 119
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Db 1020 GGAGCTGACATATGCGGAGGCTGAAGGACATGCAAGCTGACAGTCAAGTGGGGTGC 1079
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Db 1080 CAATATGAGAGAGACCCACAAAGCCATGATCTGCACTCAATCCAGTGAAGACTGCAAC 1139
Qy 180 CTGAGCAATGAGAAAGACAGAAAACAAAAGCATCAGATTAATCTTTCCATGTCAGCT 239
Db 1140 CTGAGCAATGAGAAAGACAGAAAACAAAAGCATCAGATTAATCTTTCCATGTCAGCT 1199
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Qy 300 TGGGCTCTGCTAAGGCAAGTCTGCACTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 359
Db 1260 TGGGCTCTGCTAAGGCAAGTCTGCACTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1319
Qy 360 ATCCAGTACATGACGCTTCAAAATAGTATGATGATGATGATGATGATGATGATGATGATGAT 419
Db 1320 ATCCAGTACATGACGCTTCAAAATAGTATGATGATGATGATGATGATGATGATGATGATGAT 1379
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Qy 600 TTTCTAGAAATAGACAAACAGTGAATTTGATTTCTTGGCATCTATGATGAGCCCTTC 659
Db 1560 TTTCTAGAAATAGACAAACAGTGAATTTGATTTCTTGGCATCTATGATGAGCCCTTC 1619
Qy 660 CACCAACTCTGGCTGATGAGACAGTCTGTGGCCGTGACCTCCACCTTGGAATCGTC 719
Db 1620 CACCAACTCTGGCTGATGAGACAGTCTGTGGCCGTGACCTCCACCTTGGAATCGTC 1679
Qy 720 ATCAAACTCTGACGT 779
Db 1680 ATCAAACTCTGACGT 1739
Qy 780 TGTCTTCTAATCTTCAATTTATGAGAAAAATCAACACTAGACTTTTAATCTTGTCTTC 839
Db 1740 TGTCTTCTAATCTTCAATTTATGAGAAAAATCAACACTAGACTTTTAATCTTGTCTTC 1799
Qy 840 TGAACGATGAGAGTATTTATTAAGCAATCTTACAGAGCTTTTAATCTTGAATGGAA 899
Db 1800 TGAACGATGAGAGTATTTATTAAGCAATCTTACAGAGCTTTTAATCTTGAATGGAA 1859
Qy 900 TAACTTGCACATTAAGAACCCCAACTGACACCAAAATTAATGTTGTGGAATTTTC 959
Db 1860 TAACTTGCACATTAAGAACCCCAACTGACACCAAAATTAATGTTGTGGAATTTTC 1919
Qy 960 TGTCCCTCTTAATGAGTGTGTATCAATCAAGAAAGTGAAGTCAATTAATTAATCAAC 1019
Db 1920 TGTCCCTCTTAATGAGTGTGTATCAATCAAGAAAGTGAAGTCAATTAATTAATCAAC 1979
Qy 1020 CAATTAATCACTTTTCTGCACTCTCAACTTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1079
Db 1980 CAATTAATCACTTTTCTGCACTCTCAACTTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2039
Qy 1080 CCAGATTAATGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1139
Db 2040 CCAGATTAATGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2099
Qy 1140 AGAAGATGATTAATCAAAAGTCAAAATGCACTGGGCAAAATTAACACGAGATGGCTCT 1199
Db 2100 AGAAGATGATTAATCAAAAGTCAAAATGCACTGGGCAAAATTAACACGAGATGGCTCT 2159

Qy 1200 TTTTGAATCCATTTGATTTGAAGAGATTAATGATTAATGATTAATGATTAATGATTAATGATTAAT 1259
Db 2160 TTTTGAATCCATTTGATTTGAAGAGATTAATGATTAATGATTAATGATTAATGATTAATGATTAAT 2219
Qy 1260 CCAAACTCTTTTGTTCAGATTAATGATTAATGATTAATGATTAATGATTAATGATTAATGATTAAT 1319
Db 2220 CCAAACTCTTTTGTTCAGATTAATGATTAATGATTAATGATTAATGATTAATGATTAATGATTAAT 2279
Qy 1320 TGAATCCTGTAAGAGCTCTCCCACTCTGACCTTTCATCTTCACCTACCTACCTACCTACCTACCT 1379
Db 2280 TGAATCCTGTAAGAGCTCTCCCACTCTGACCTTTCATCTTCACCTACCTACCTACCTACCTACCT 2339
Qy 1380 GAGTGAATGATTAATGATTAATGATTAATGATTAATGATTAATGATTAATGATTAATGATTAAT 1439
Db 2340 GAGTGAATGATTAATGATTAATGATTAATGATTAATGATTAATGATTAATGATTAATGATTAAT 2399
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Qy 1800 CAATTAACGAGAGCTGAGAACTATTAATCAACAGTCAACCTTAAGTGAAGAGATTTT 1859
Db 2760 CAATTAACGAGAGCTGAGAACTATTAATCAACAGTCAACCTTAAGTGAAGAGATTTT 2819
Qy 1860 CTCCAGATGAGCAAGAAATGCTACTCTGTGGCTTACATATTAATGAATTAATGAAGAA 1919
Db 2820 CTCCAGATGAGCAAGAAATGCTACTCTGTGGCTTACATATTAATGAATTAATGAAGAA 2879
Qy 1920 GGGCTTGAAGTGAACACAGGCTCTGATGTCAAAAA 1957
Db 2880 GGGCTTGAAGTGAACACAGGCTCTGATGTCAAAAA 2917

RESULT 8
US-09-905-381A-189
; Sequence 189, Application US/09905381A
; Patent No. 6818746
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan J.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerilsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.

```

; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kiljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secured and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,381A
; CURRENT FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-905-381A-189

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Query Match      98.9%; Score 1944.4; DB 4; Length 2917;
Bec Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

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QY 1 CAAATGAGCTTGAAGAAGGCTCATGCAATGACCCCTTAAATTTCTCTCTGTTGGC 60
Db 960 CAAATGAGCTTGAAGAAGGCTCATGCAATGACCCCTTAAATTTCTCTCTGTTGGC 1019
QY 61 GGA-CTGACAAATGGCGAGGCTGAAGCAATGCAAGTGCACAGTCAGTTAGGGGGTGC 119
Db 1020 GGAAGTGAATGGCGAGGCTGAAGCAATGCAAGTGCACAGTCAGTTAGGGGGTGC 1079
QY 120 CAAATGAGCAAGCCCAAGGCAATGATCTCTGCAATCCCAAGTGAAGAACTGCAC 179
Db 1080 CAAATGAGCAAGCCCAAGGCAATGATCTCTGCAATCCCAAGTGAAGAACTGCAC 1139

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QY 180 CTGAGCAATAGAGAGCCAGAAAACAAAAGCATGCAATATCTTTCTTATGTCAGCT 239
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QY 240 TGATCCAGATGGAAGCTGTGAAGTGAAGAAACATTAAGTCTTTGACGGAACTCCAGCA 299
Db 1200 TGATCCAGATGGAAGCTGTGAAGTGAAGAAACATTAAGTCTTTGACGGAACTCCAGCA 1259
QY 300 TGGGCTCTGTAGGGCAAGTGTGCAATGTAAGAAACATTAAGTCTTTGATGATCATC 359
Db 1260 TGGGCTCTGTAGGGCAAGTGTGCAATGTAAGAAACATTAAGTCTTTGATGATCATC 1319
QY 360 ATCCAGTACATTCAGCTTTCAATAGTACTGACAGCAAGAAATCAAGAACTGCTT 419
Db 1320 ATCCAGTACATTCAGCTTTCAATAGTACTGACAGCAAGAAATCAAGAACTGCTT 1379
QY 420 TGCTTTCTACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTGA 479
Db 1380 TGCTTTCTACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTGA 1439
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Db 1440 TACCTTGAAGGATCTTCAACAGCCCAATTAACCAAGCCGATCTGAGCTGGCTTA 1499
QY 540 TTGTGTGGCAGATACATACAGTGAAGAAAGATTACAGATTAACCTTCAAGAGAT 599
Db 1500 TTGTGTGGCAGATACATACAGTGAAGAAAGATTACAGATTAACCTTCAAGAGAT 1559
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Db 1560 TTTCTAGAAATGAGCAAGAGTCAAAATTTGATTTCTTCCATCTATATGAGCCCTTC 1619
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QY 900 TAACTGCAACTAAAGAACCCCACTTGAGAGCAAAATTAACAAATGTTGGAATTTTC 959
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QY 1080 CCAATATATGTAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1139
Db 2040 CCAATATATGTAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2099
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QY 1200 TTTTGAATCAATTTATTTGAAAAGCTATATTAATCAATTTATTTGATTTGAA 1259
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QY 1260 CCAACTCTTTTGTTCAGATTAATGTCGACACCTCAATCAAAATTTGTGTGTTCT 1319

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Qy 1320 TGATACCTGTAGAGCCTCTCCCACTGTGACTTTGCACTTCAACCTTAATCA 1379
Db 2280 TGATACCTGTAGAGCCTCTCCCACTGTGACTTTGCACTTCAACCTTAATCA 2339
Qy 1380 GAGTGAATGTAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1439
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Qy 1560 AAGCAAGAGACATTTCTTCAATATGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1619
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Qy 1800 CAATATCCAGAGCTGCAAGATCTATTAATCAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1859
Db 2760 CAATATCCAGAGCTGCAAGATCTATTAATCAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2819
Qy 1860 CTCAGAGATGCCAAGAAATGCTTCTGTGCTGATCAATATTAATGAATGAAGAA 1919
Db 2820 CTCAGAGATGCCAAGAAATGCTTCTGTGCTGATCAATATTAATGAATGAAGAA 2879
Qy 1920 GGGCCTGAAAGTGACACAGGCTGCAATGTCAAAAA 1957
Db 2880 GGGCCTGAAAGTGACACAGGCTGCAATGTAAAAA 2917

RESULT 9
US-09-906-618-189
; Sequence 189, Application US/09906618
; Patent No. 6828146
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Geo, Wei-Qiang
; APPLICANT: Geiber, Hanspeter
; APPLICANT: Gerbier, Hanspeter
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
```

```
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/906,618
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-906-618-189

Query Match 98.9%; Score 1944.4; DB 4; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Qy 1 CAAATGAGCTTGTAGAGGCTTCATGCACTTCAATTTCTTCTGTTTGGC 60
Db 960 CAAATGAGCTTGTAGAGGCTTCATGCACTTCAATTTCTTCTGTTTGGC 1019
Qy 61 GGA-CTGACATGGGGGAGGCTGAAAGCAAGCAAGTGCACAGTCACTAGGGGGTGC 119
Db 1020 GAGCTGACATGGGGGAGGCTGAAAGCAAGTGCACAGTCACTAGGGGGTGC 1079
Qy 120 CAATATGCGACAGACCCCAAGGCATGATCTGCAATCTCAATCCAGTGAAGTGCAC 179
Db 1080 CAATATGCGACAGACCCCAAGGCATGATCTGCAATCTCAATCCAGTGAAGTGCAC 1139
Qy 180 CTGACATAGAAAGACCAAGAAACAAAGCATGAGATTAATCTTTCTATGTCAGCT 239
Db 1140 CTGACATAGAAAGACCAAGAAACAAAGCATGAGATTAATCTTTCTATGTCAGCT 1199
Qy 240 TGATCCAGATGGAAGCTGTGAAGTGAAGAAATTAAGTCTTTAGCGAAGCTCAGCA 299
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Db 5153 ATCTTCTGTATCTCTGTGACCAAGCCCTTACTAGTGAAGTGAACAGACTTTGTA 5212
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Qy 1626 AA 1627
Db 5573 GA 5574

RESULT 14

US-09-341-587-4
; Sequence 4, Application US/09341587
; Patent No. 6346606
; GENERAL INFORMATION:
; APPLICANT: Mollenhauer, Jan
; TITLE OF INVENTION: Protein containing an SRCR domain
; FILE REFERENCE: 4121-108
; CURRENT APPLICATION NUMBER: US/09/341,587
; CURRENT FILING DATE: 1999-08-31
; EARLIER APPLICATION NUMBER: PCT/DE98/00096
; EARLIER FILING DATE: 1998-01-09
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 5802
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-341-587-4

Query Match 6.2%; Score 122.8; DB 3; Length 5802;
Best Local Similarity 48.0%; Pred. No. 7,6e-28;
Matches 577; Conservative 0; Mismatches 577; Indels 48; Gaps 6;

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Db 4363 TGTGATCTTCAAGATGTCCAGCTTGAAGTGGC-----TCAACTATGATTAATTTGA 4416
Qy 642 CATCTATATGAGCCCTCTCAACCAACTCTGCTGATGACAAAGTCTGTGGCCGTGTAC 701
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Qy 702 TCCCACTTCGATGCTATCAAACTCTGTGACTGTGCTGTGTACAGATTATGCCAA 761

Db 4477 AGGCTCTTCACTTCTCTCCCACTTCAATGTCATGCTTACAGTGAACAGCAT 4536
Qy 762 TTCTTACGGGATTTTCTGCTCTCTACACCTCAATTTATGAGAAACATCAACATAC 821
Db 4537 CACAAAGAGAGGTTTCCGGGCTGAGTACTCTCCGTCTCCTCAATGACAGACCAACT 4596
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Db 4597 GCTGTGTCCCAATCACAATGCAAGCCAGTGTGAGAGAGCTATCTCCATCTTGGG 4656
Qy 882 TTTTAACTTAAATGGAAT-----AACTTGCACTAAAGAACCAACTTGCAGACC 932
Db 4657 CTTTCTGCAAGTACCTTTGTATTTCCACCTGGAATGGAATCTACAGATGTGCGCCCA 4716
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Db 4777 GGCACATGACACCATGACTATTCCACTTCTCTCAGAGAGTGTCTCA-----CG 4830
Qy 1053 TGAAGTATCAACCGTCAAGAAACAATCCAGATTAATGTGAGTGAATGGAACATTA 1112
Db 4831 TGGCATCATCAAGAGAGAGAGAGACCTCGATATTCAGCTCAGCTGCAAGATCTTCA 4890
Qy 1113 TTCTACATGAGATATATATATATCAAGAGATATATATCAAAAGTCAAAATGCACT 1172
Db 4891 CACTGGGTGACACCATATGATCTTGAATGACACATCACTTGTCTAATTAACACAT 4950
Qy 1173 -----GGCAAPATTAACACAGCATGCTCTTTTGAATCCA 1211
Db 4951 CCAAGTCAAGAGATGCAATGATGCAATTTGACGTGAACATTTCTTTATATCTCTC 5010
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Db 5011 ATCTTCTTGTATCTGTGACAGCGGCTTACTAGTGAACATGGAACAGGACTTGTGA 5070
Qy 1272 TGTTAAGTGTGTGACACCTCATGATCAAAATTTGTGTGTCTTGTATCTGTAG 1331
Db 5071 GGTGAGGCTGAATCTCTCAATTTGATGCTGTACTGACCTTGTGTGTGACACCTGCGT 5130
Qy 1332 AGCCTCTCC---CACCTGACTTTGATCTTCAACCTTACAGCCATATCAAGAGTGA 1388
Db 5131 GGCATCAACATATCTCAATGATCTTCAAGCTTTTGAATGATTAATTCGAGTGAATG 5190
Qy 1389 TAGTGAAGATGAATCTTGAAGTGTATCCCTTA---TTTGAACATATGAGAGATCCA 1445
Db 5191 CGTGAAGATGACACCTTACAGGACCTTACTCTCGCGCTCTTGTGCAATTTGCCGCTTCG 5250
Qy 1446 GTTTAATGCTTTAATTTCTTGAAGATGAGTCTGTGTATCTGCAAGTGAAGTTT 1505
Db 5251 GTTCAGGCTTTCACCTTCTGGAACCGGCTTCCCTCCGTATACGCTTGTAAATGAT 5310
Qy 1506 GATATGTATGACAGTACCAACAGTCTGCTGCAATTAAGTGTGTCTCAGAAAGCA 1565
Db 5311 GGTGTGAGAGGATGAGCCCTCTTCCGCTGTCTACGAGGCTGTGTGTGAGGTGCA 5370
Qy 1566 ACGAGACATTTCTTCAATATATGAAGAAAGATTCATATGAGACCCATTTGCTGTA 1625
Db 5371 GAGGATGTGGGCTCTTACAGAAAGGTGACGTGCTGTGGTCCCATTCAGCTGCA 5430
Qy 1626 AA 1627
Db 5431 GA 5432

RESULT 15

US-09-341-587-2
; Sequence 2, Application US/09341587
; Patent No. 6346606
; GENERAL INFORMATION:
; APPLICANT: Mollenhauer, Jan

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: February 6, 2005, 20:39:38 ; Search time 1086.57 Seconds
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Title: US-09-864-711-1

Perfect score: 1966
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Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 4313806 seqs, 267871033 residues

Total number of hits satisfying chosen parameters: 8627612

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications NA:*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
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- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq.*
- 19: /cgn2_6/ptodata/2/pubpna/US10F_NEW_PUB.seq.*
- 20: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
- 21: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 22: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1966	100.0	1966	9	US-09-864-711-1
2	1944.4	98.9	2917	9	US-09-909-320-189
3	1944.4	98.9	2917	9	US-09-909-088B-189
4	1944.4	98.9	2917	9	US-09-905-291A-189
5	1944.4	98.9	2917	9	US-09-907-853-189
6	1944.4	98.9	2917	9	US-09-907-824-189
7	1944.4	98.9	2917	9	US-09-907-841-189
8	1944.4	98.9	2917	10	US-09-904-011-189
9	1944.4	98.9	2917	10	US-09-903-640-189
10	1944.4	98.9	2917	10	US-09-908-093-189
11	1944.4	98.9	2917	10	US-09-906-742-189

12	1944.4	98.9	2917	10	US-09-906-838-189	Sequence 189, App
13	1944.4	98.9	2917	10	US-09-907-613-189	Sequence 189, App
14	1944.4	98.9	2917	10	US-09-907-942-189	Sequence 189, App
15	1944.4	98.9	2917	10	US-09-904-859-189	Sequence 189, App
16	1944.4	98.9	2917	10	US-09-909-204-189	Sequence 189, App
17	1944.4	98.9	2917	10	US-09-904-820-189	Sequence 189, App
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43	1944.4	98.9	2917	10	US-09-902-634-189	Sequence 189, App
44	1944.4	98.9	2917	10	US-09-902-713-189	Sequence 189, App
45	1944.4	98.9	2917	10	US-09-907-979-189	Sequence 189, App

ALIGNMENTS

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RESULT 1
US-09-864-711-1
; Sequence 1, Application US/09864711
; Patent No. US20020077309A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
; FILE REFERENCE: PB-0008-1 CIP
; CURRENT APPLICATION NUMBER: US/09/864,711
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 1966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 223163CT1
US-09-864-711-1

Query Match      100.0%; Score 1966; DB 9; Length 1966;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1966; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 CAAATGAGGCTTGAAGAAGCTGATGACCTTAATTCCTCTGTTGGC 60
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QY 61 GCACTGACATGCGGAGGCTGGAAGCAATGCAAGCTGACAGTCAAGTGGGATGCC 120
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DB 61 GCACTGACATGCGGAGGCTGGAAGCAATGCAAGCTGACAGTCAAGTGGGATGCC 120
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RESULT 2
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 ; Sequence 189, Application US/09909320
 ; Patent No. US20020132240A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Batton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Geo, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerltsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillen, Kenneth, J.

```

; APPLICANT: Kljavin, Iyar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,330
; CURRENT FILING DATE: 2002-01-04
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-320-189

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 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

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QY 1320 TGATACCTGTAGAGCTCTCCACCTGTGACTTGTGATCTCCAACTTACGACTTAATCAA 1379
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DB 2340 GAGTGAATGTAGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2399
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QY 1740 GAATGTGTGATCTGTAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1799
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DB 2760 CAATATCCAGAGCTGAGAACTTAATTAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 2819
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DB 2880 GGGCGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 2917

RESULT 3
US-09-909-088B-189
Sequence 189, Application US/09909088B
Patent No. US20020146709A1

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Macher, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/909,088B
CURRENT FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO: 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-909-088B-189

Query Match 98.9%; Score 1944.4; DB 9; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

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QY 180 CTGACATATGAAGAACCAAGAAACAAAGCATGCAATTAATCTTTTCTATGTCAGCT 239
DB 1140 CTGACATATGAAGAACCAAGAAACAAAGCATGCAATTAATCTTTTCTATGTCAGCT 1199
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DB 1380 TGTCTCTACTACTTTCTCTCTCTAACTCTATTTCCAAATGTGGCGGTACTCTGA 1439
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DB 2100 AGAAGATGATGATTAATCAAAAGTCAAAATGCACTGGGCAAAATTAATCAACAGATGGCTCT 2159
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DB 2160 TTTTGAATCAATTAATTTGAAAGATTAATTAATCAATTAATTAATGATTTGAA 2219
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DB 2820 CTCAGAGATGCCAAAGGAAATGCTACTGTGTGCTACATATTTATGAATTAATGAGAA 2879
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RESULT 4
US-09-905-291A-189
Sequence 189, Application US/09905291A
Patent No. US202160374A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltisen, Mary B.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumes, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14

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; CURRENT APPLICATION NUMBER: US/09/905,291A
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-905-291A-189

Query Match      98.9%; Score 1944.4; DB 9; Length 2917;
Best Local Similarity 99.9%; Pct. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY      1 CAAAATGAGCTTGTGAAGAAGGCTCATGCGCATTGACCCCTTAACTCTGCTGTTGGC 60
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QY      61 GGA-CTGACAAATGGCGGAGGCTGGAAGCAATGCAAGCTGCAAGCTGCTAGGGGCTGC 119
DB      1020 GGAAGTGAACATGGCGGAGGCTGGAAGCAATGCAAGCTGCAAGCTGCTAGGGGCTGC 1079
QY      120 CAATATGGAGAGACCCACAAAGCCATGATCTCTGCAACTCATCCAGTGAAGACTGCAC 179
DB      1080 CAATATGGAGAGACCCACAAAGCCATGATCTCTGCAACTCATCCAGTGAAGACTGCAC 1139
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QY      240 TGATCCAAATGGAAGCTGTGAAGAGGAAACCTTAAAGCTTTTGAACGAACTCCAGCA 299
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QY      1440 ATTCAGTTTAAAGCCTTAAATTTTGAAGATTAAGCTTGTGTATCTGCACTGTAA 1499
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RESULT 6
US-09-907-824-189
; Sequence 189, Application US/09907824
; Publication No. US20020197671A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlisen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Par, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,824
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28

Db 2580 TCTGAAAAGGATGCAAGTGCAGTGGCAATTCAGAGATTTGAGCATGAAACACATGCGGA 2639
Qy 1680 AGAAATCTCAACACGACCTTTTCAACAGTGTGATCTGTTTCTTCAAGTTCAGTCT 1739
Db 2640 AGAAATCTCAACACGACCTTTTCAACAGTGTGATCTGTTTCTTCAAGTTCAGTCT 2699
Qy 1740 GAATGTGTGACTGTGAGGACATCACTGAGGATTTTGAATCAACGGGACAGCTA 1799
Db 2700 GAATGTGTGACTGTGAGGACATCACTGAGGATTTTGAATCAACGGGACAGCTA 2759
Qy 1800 CAAATACCAAGCTGCAGAACTATTAACTAAACAGTCCAACTTAAAGTGAAGATGTT 1859
Db 2760 CAAATACCAAGCTGCAGAACTATTAACTAAACAGTCCAACTTAAAGTGAAGATGTT 2819
Qy 1860 CTCAGAGTGCAGAAAGAAATGCTACCTGTGGCTACACATATTATGAATGAAGAA 1919
Db 2820 CTCAGAGTGCAGAAAGAAATGCTACCTGTGGCTACACATATTATGAATGAAGAA 2879
Qy 1920 GGGCTGAAAGTGCACACAGGCTGCTGATTCAAAAA 1957
Db 2880 GGGCTGAAAGTGCACACAGGCTGCTGATTCAAAAA 2917

RESULT 7

US-09-907-841-189

Sequence 189, Application us/09907841

Publication No. US20020198366A1

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Bolstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Hong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltsen, Mary E.
APPLICANT: Godowsky, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,841
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-907-841-189
Query Match 98.9%; Score 1944.4; DB 9; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
Qy 1 CAAATGAGCTTGTAAAGAGCTGATGCAATGACCTTAAATTCCTCTGTTGGC 60
Db 960 CAAATGAGCTTGTAAAGAGCTGATGCAATGACCTTAAATTCCTCTGTTGGC 1019
Qy 61 GGA-CTGACATGCGGAGGCTGAAAGCAATGCAAGCTGACAGTCACTAGGGGCTGC 119
Db 1020 GGAAGTGAATGCGGAGGCTGAAAGCAATGCAAGCTGACAGTCACTAGGGGCTGC 1079
Qy 120 CAAATGAGAGAGAGCCCAAAAGCCATGATCTGCACTCAATCCAGTGAAGAACTGCAC 179
Db 1080 CAAATGAGAGAGAGCCCAAAAGCCATGATCTGCACTCAATCCAGTGAAGAACTGCAC 1139
Qy 180 CTGACATGAAAGACCAAGAAACAAAGAGATGAGATTAATCTTCTTCTAGTCAAGCT 239
Db 1140 CTGACATGAAAGACCAAGAAACAAAGAGATGAGATTAATCTTCTTCTAGTCAAGCT 1199
Qy 240 TGATCCAGATGGAAGCTGTAAGTGAAGTAAATTAAGTCTTTGAGGAACTTCACGAA 299
Db 1200 TGATCCAGATGGAAGCTGTAAGTGAAGTAAATTAAGTCTTTGAGGAACTTCACGAA 1259
Qy 300 TGGGCTCTGTGAGGCAAGCTCTGCAATGAAACGACTATGTTCTGTATTTGAATCATC 359
Db 1260 TGGGCTCTGTGAGGCAAGCTCTGCAATGAAACGACTATGTTCTGTATTTGAATCATC 1319
Qy 360 ATCCAGTACATGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 419
Db 1320 ATCCAGTACATGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 1379
Qy 420 TGTCTTCTACTACTTCTTCT 479
Db 1380 TGTCTTCTACTACTTCTTCT 1439
Qy 480 TACCTTGAAGAGATCTTTCACAGCCCAATTAACCAAGCCGATCTGAGCTGCTTA 539
Db 1440 TACCTTGAAGAGATCTTTCACAGCCCAATTAACCAAGCCGATCTGAGCTGCTTA 1499
Qy 540 TTGTGTGACACATACAGTGAAGAAATTAAGATTAAGATTAAGATTAAGATTAAGATTA 599
Db 1500 TTGTGTGACACATACAGTGAAGAAATTAAGATTAAGATTAAGATTAAGATTAAGATTA 1559
Qy 600 TTTCTTGAATTAAGACAAACAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 659
Db 1560 TTTCTTGAATTAAGACAAACAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 1619
Qy 660 CACCACTGAGGCTGATTTGGAACAATCTGTGCGGCTGATCTCCACCTTGAATGCTC 719
Db 1620 CACCACTGAGGCTGATTTGGAACAATCTGTGCGGCTGATCTCCACCTTGAATGCTC 1679
Qy 720 ATCAAACTCTGACTGTGCTGTGTGTCTCAAGATTAAGCAATTTTACCGGGATTTTC 779
Db 1680 ATCAAACTCTGACTGTGCTGTGTGTCTCAAGATTAAGCAATTTTACCGGGATTTTC 1739
Qy 780 TGTCTTCTACCTCAATTTATGAGAAACATCAACACTACATCTTAACTTCTCTCTC 839
Db 1740 TGTCTTCTACCTCAATTTATGAGAAACATCAACACTACATCTTAACTTCTCTCTC 1799

QY 840 TGACAGAGTGAAGTATTAAGCAAAATCTACCTAGAGGCTTTTAATCTTAATGGGA 899
DB 1800 TGACAGAGTGAAGTATTAAGCAAAATCTACCTAGAGGCTTTTAATCTTAATGGGA 1859
QY 900 TAACTTGCACAAATAAGACCCAACTTGACAGCAAAATTAATGTTGTGGAATTTTC 959
DB 1860 TAACTTGCACAAATAAGACCCAACTTGACAGCAAAATTAATGTTGTGGAATTTTC 1919
QY 960 TGTCCCTCTTAATGATGTGTGTAACAATCAGAAAGTAGAAGATCAGTCAATTAATTAC 1019
DB 1920 TGTCCCTCTTAATGATGTGTGTAACAATCAGAAAGTAGAAGATCAGTCAATTAATTAC 1979
QY 1020 CAATTAATCAACCTTTTCTGCAATCTTCACTTGAAGATCAACCCGACAAACAACT 1079
DB 1980 CAATTAATCAACCTTTTCTGCAATCTTCACTTGAAGATCAACCCGACAAACAACT 2039
QY 1080 CCAGATTATTTGAGAGTGAATGGAGCATTAATCTACAGTGAAGATTAATTAACATAAC 1139
DB 2040 CCAGATTATTTGAGAGTGAATGGAGCATTAATCTACAGTGAAGATTAATTAACATAAC 2099
QY 1140 AGAAGATGATGTAATCAAAAGTCAAAATGCACTGGCAAAATTAACACAGCATGGCTCT 1199
DB 2100 AGAAGATGATGTAATCAAAAGTCAAAATGCACTGGCAAAATTAACACAGCATGGCTCT 2159
QY 1200 TTTTGAATCCATTAATGTAAGAAAGCTAATCTTAATGCAATTAATGTAATGTAAGAA 1259
DB 2160 TTTTGAATCCATTAATGTAAGAAAGCTAATCTTAATGCAATTAATGTAATGTAAGAA 2219
QY 1260 CCAAACTCTTTTGTTCAGTATGTCGACACCTCAGATCCAAATTTTGTGTGTCT 1319
DB 2220 CCAAACTCTTTTGTTCAGTATGTCGACACCTCAGATCCAAATTTTGTGTGTCT 2279
QY 1320 TGAATCTGTAGAGCTCTCCCACTCTGACCTTTCAGATCCAAATTTTGTGTGTCT 1379
DB 2280 TGAATCTGTAGAGCTCTCCCACTCTGACCTTTCAGATCCAAATTTTGTGTGTCT 2339
QY 1380 GAGTGAATGATCGAAGATGAACTGTGAAGTATCCCTTAATTTTGGACATTAATGGGAG 1439
DB 2340 GAGTGAATGATCGAAGATGAACTGTGAAGTATCCCTTAATTTTGGACATTAATGGGAG 2399
QY 1440 ATTCAGTTTAATGCTTTTAATTTCTGAGAGTATGAGCTCTGTATCTGCAATGTA 1499
DB 2400 ATTCAGTTTAATGCTTTTAATTTCTGAGAGTATGAGCTCTGTATCTGCAATGTA 2459
QY 1500 AGTTTGAATGATGATGACAGTCTGCTGCAATCAAGTTTGTCTCCAG 1559
DB 2460 AGTTTGAATGATGATGACAGTCTGCTGCAATCAAGTTTGTCTCCAG 2519
QY 1560 AAGCAAGAGACATTTCTTCATTAATGAAAAAGATTTCATTAATGAAACCATTCG 1619
DB 2520 AAGCAAGAGACATTTCTTCATTAATGAAAAAGATTTCATTAATGAAACCATTCG 2579
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DB 2580 TCTGAAAAGGATCGAAGTGAAGTGAATTTCAAGATTTGAGCAATGAAACCATTCG 2639
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QY 1740 GAATGTGTGATCTGTAAGCAATCAAGTGAAGCTTTTGTAAATCAACGGGACATTA 1799
DB 2700 GAATGTGTGATCTGTAAGCAATCAAGTGAAGCTTTTGTAAATCAACGGGACATTA 2759
QY 1800 CAATTAACCAAGAGTGAAGTGAATTTAATCAAGATCCCAAGTGAAGATGTTT 1859
DB 2760 CAATTAACCAAGAGTGAAGTGAATTTAATCAAGATCCCAAGTGAAGATGTTT 2819
QY 1860 CTCAGAGTGCAGAAAGAAATCTTCTGTGCTACACATTAATTAATGAAGAA 1919
DB 2820 CTCAGAGTGCAGAAAGAAATCTTCTGTGCTACACATTAATTAATGAAGAA 2879

QY 1920 GGGCTGAAGTGAACACAGGCTCTGATGCAAAAA 1957
DB 2880 GGGCTGAAGTGAACACAGGCTCTGATGTA 2917
RESULT 8
US-09-904-011-189
Sequence 189, Application US/09904011
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Borstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904, 011
PRIOR FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999


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; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-904-011-189

Query Match      98.9%; Score 1944.4; DB 10; Length 2917;
                  99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 CAAATGAGCTGTGAAGAGCTCAGCCATTGACCTCTTAAATCTCTCTGTTGGC 60
Db 960 CAAATGAGCTGTGAAGAGCTCAGCCATTGACCTCTTAAATCTCTCTGTTGGC 1019

QY 61 GGA-CTGACAATGCGAGGCTGAAAGCAATGCAAGCTGCAAGCTGCAAGGCGGTGC 119
Db 1020 GGAGCTGACAATGCGAGGCTGAAAGCAATGCAAGCTGCAAGCTGCAAGGCGGTGC 1079

QY 120 CAATATGCGAGAGACCCACAAGCCATGATCTGCAACTCAATCCAGTGAAGACTGAC 179
Db 1080 CAATATGCGAGAGACCCACAAGCCATGATCTGCAACTCAATCCAGTGAAGACTGAC 1139

QY 180 CTGACAATGAGAAAGACACAGAAACAAAGACATGAAATATCTTTCTTATGTCAGCT 239
Db 1140 CTGACAATGAGAAAGACACAGAAACAAAGACATGAAATATCTTTCTTATGTCAGCT 1199

QY 240 TGATCCAGATGAGAGCTGTGAAAGTGAAACATTTAAAGCTTTTGAAGGAACTCCAGCA 299
Db 1200 TGATCCAGATGAGAGCTGTGAAAGTGAAACATTTAAAGCTTTTGAAGGAACTCCAGCA 1259

QY 300 TGGGCTCTGCTAGGGGAGCTGCAAGTAAAGCAATAGTCTGATTTGAATGATC 359
Db 1260 TGGGCTCTGCTAGGGGAGCTGCAAGTAAAGCAATAGTCTGATTTGAATGATC 1319

QY 360 ATCCAGTACATGACGTTTCAAAATAGTACTGACTGACAGCAAGTAATCAAGAACTGCT 419
Db 1320 ATCCAGTACATGACGTTTCAAAATAGTACTGACTGACAGCAAGTAATCAAGAACTGCT 1379

QY 420 TGTCTCTCTACTTCTTCTCTCTTAACATCTTATTTCCAACTGTGGCGGTTACCTGGA 479
Db 1380 TGTCTCTCTACTTCTTCTCTCTTAACATCTTATTTCCAACTGTGGCGGTTACCTGGA 1439

QY 480 TACCTTGAAGAGATCCTTCAACAGCCCAATTACCAAGACCGCAATCCAGAGTGGCTTA 539
Db 1440 TACCTTGAAGAGATCCTTCAACAGCCCAATTACCAAGACCGCAATCCAGAGTGGCTTA 1499

QY 540 TTGTGTGTGGCAGATCAATCAAGTGAAGAAATTAACAAGATTAACCTTCAAGAGAGAT 599
Db 1500 TTGTGTGTGGCAGATCAATCAAGTGAAGAAATTAACAAGATTAACCTTCAAGAGAGAT 1559

QY 600 TTTCTAGAAATAGACAAACAGTGCAAATTTGATTTTCTTGCCATCTATGATGAGCCCTTC 659
Db 1560 TTTCTAGAAATAGACAAACAGTGCAAATTTGATTTTCTTGCCATCTATGATGAGCCCTTC 1619

QY 660 CACCAACTCTGGCTGATTTGAACAAGTCTGTGGCGGTGACCTCCACCTTGATGATGCT 719
Db 1620 CACCAACTCTGGCTGATTTGAACAAGTCTGTGGCGGTGACCTCCACCTTGATGATGCT 1679

QY 720 ATCAAACTCTGCACTGCTGCTTGTCTTCAACATTAATGCAATTTTCAACCGGGGATTTTC 779
Db 1680 ATCAAACTCTGCACTGCTGCTTGTCTTCAACATTAATGCAATTTTCAACCGGGGATTTTC 1739

QY 780 TGTCTTCAACCTCAATTAATGACAGAAACATCAACCTACATCTTTAACTGTGCTTC 839
Db 1740 TGTCTTCAACCTCAATTAATGACAGAAACATCAACCTACATCTTTAACTGTGCTTC 1799

QY 840 TGAAGAGATGAGATTAATTAAGCAAAATCTTACCTAGAGGCTTTTAACTGAAATGGGAA 899
Db 1800 TGAAGAGATGAGATTAATTAAGCAAAATCTTACCTAGAGGCTTTTAACTGAAATGGGAA 1859
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QY 900 TAACTTGCACTTAAGACCCAACTTGACAGCCAAATTTATCAAAATGTTGTGAATTTTC 959
Db 1860 TAACTTGCACTTAAGACCCAACTTGACAGCCAAATTTATCAAAATGTTGTGAATTTTC 1919

QY 960 TGTCCCTCTTAATGATGATGATCAATCAAGAAAGGTAGAGATGATCAATTTACTTCAAC 1019
Db 1920 TGTCCCTCTTAATGATGATGATCAATCAAGAAAGGTAGAGATGATCAATTTACTTCAAC 1979

QY 1020 CAATATTAACACCTTTCTGCACTCTCACTTCTGAAGTATCAACCGCTGAGAAACACT 1079
Db 1980 CAATATTAACACCTTTCTGCACTCTCACTTCTGAAGTATCAACCGCTGAGAAACACT 2039

QY 1080 CCAGATTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1139
Db 2040 CCAGATTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2099

QY 1140 AGAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1199
Db 2100 AGAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2159

QY 1200 TTTTGATCAATTCATTTGAAAGACATATCTTGAATCAACCAATTAATGATTTGAA 1259
Db 2160 TTTTGATCAATTCATTTGAAAGACATATCTTGAATCAACCAATTAATGATTTGAA 2219

QY 1260 CCAAACTCTTTTGTCAAGTATGCTGACACCTCAGATCCAAATTTGGTGGTGTCT 1319
Db 2220 CCAAACTCTTTTGTCAAGTATGCTGACACCTCAGATCCAAATTTGGTGGTGTCT 2279

QY 1320 TGATCCGTGAGAGCTCTCCACCTCTGACTTTGCACTTCCAACTTAATCA 1379
Db 2280 TGATCCGTGAGAGCTCTCCACCTCTGACTTTGCACTTCCAACTTAATCA 2339

QY 1380 GAGTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1439
Db 2340 GAGTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2399

QY 1440 ATTCAGTTTAATGCTTTTAATTTCTGAGAGATGATGATGATGATGATGATGATGAT 1499
Db 2400 ATTCAGTTTAATGCTTTTAATTTCTGAGAGATGATGATGATGATGATGATGATGAT 2459

QY 1500 AGTTTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1559
Db 2460 AGTTTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2519

QY 1560 AAGCAACGAGACATTTCTTCAATTAATGAGAAACAGATTTCCATCATAGGACCCATTG 1619
Db 2520 AAGCAACGAGACATTTCTTCAATTAATGAGAAACAGATTTCCATCATAGGACCCATTG 2579

QY 1620 TCTGAAAAGGGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGAT 1679
Db 2580 TCTGAAAAGGGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGAT 2639

QY 1680 AGAAACTCCAAACGAGCTTTCAACAGTGTGATCTGTCTTCTTCAATGAGTCT 1739
Db 2640 AGAAACTCCAAACGAGCTTTCAACAGTGTGATCTGTCTTCTTCAATGAGTCT 2699

QY 1740 GAATGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1799
Db 2700 GAATGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2759

QY 1800 CAATATCAAGACCTGAGATCAATTAATCAACAGTCCAACTTAAGTGAACATGTTT 1859
Db 2760 CAATATCAAGACCTGAGATCAATTAATCAACAGTCCAACTTAAGTGAACATGTTT 2819

QY 1860 CTCAGAGATCCAAAGAAATGCTACCTGTGGCTCAACATTAATTAATTAATGAGAA 1919
Db 2820 CTCAGAGATCCAAAGAAATGCTACCTGTGGCTCAACATTAATTAATTAATGAGAA 2879

QY 1920 GGGCTGAAAGTGAACACAGAGCTGCAATGTCATTAATTAATTAATTAATTAATTAAT 1957
Db 2880 GGGCTGAAAGTGAACACAGAGCTGCAATGTCATTAATTAATTAATTAATTAATTAAT 2917
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RESULT 9
US-09-903-640-189
Sequence 189, Application US/09903640
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desmoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/903,640
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo Sapien
US-09-903-640-189

Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 CAAATGAGCTTTGTAAGAGGCTCATGCGATGAGACCTCTTAATTTCTCTGTTGGC 60
DB 960 CAAATGAGCTTTGTAAGAGGCTCATGCGATGAGACCTCTTAATTTCTCTGTTGGC 1019

QY 61 GGA-CTGCAATGAGGCGAGGCTGAAGGCAATGCAAGTGCAGTCTGAGGAGGTC 119
DB 1020 GGAAGTGAAGAGGCGAGGCTGAAGGCAATGCAAGTGCAGTCTGAGGAGGTC 1079

QY 120 CAATATGAGAGAGCCCAAGGCAATGCTGCAACTCAATCCAGTGAAGTGCAC 179
DB 1080 CAATATGAGAGAGCCCAAGGCAATGCTGCAACTCAATCCAGTGAAGTGCAC 1139

QY 180 CTGCAATGAGAGAGCCCAAGGCAATGCAATGCTGCAACTCAATCCAGTGAAGTGCAC 239
DB 1140 CTGCAATGAGAGAGCCCAAGGCAATGCAATGCTGCAACTCAATCCAGTGAAGTGCAC 1199

QY 240 TGATCAGATGAGAGCTGTGAAGTGAAGATTAAGTCTTGAAGGAGTCCAGCA 299
DB 1200 TGATCAGATGAGAGCTGTGAAGTGAAGATTAAGTCTTGAAGGAGTCCAGCA 1259

QY 300 TGGGCTCTGCTAGGAGCAAGTCTGCAAGTGAAGATTAAGTCTTGAAGTGAATC 359
DB 1260 TGGGCTCTGCTAGGAGCAAGTCTGCAAGTGAAGATTAAGTCTTGAAGTGAATC 1319

QY 360 ATCCAGTACATGAGCTTTCAATAGTACTGAGTACAGGAGATTCAGAGACTGTCTT 419
DB 1320 ATCCAGTACATGAGCTTTCAATAGTACTGAGTACAGGAGATTCAGAGACTGTCTT 1379

QY 420 TGTCTTCTACTACT 479
DB 1380 TGTCTTCTACTACT 1439

QY 480 TACCTTGAAGAGATCTTCAAGCCCAATTAACCAAGCCGCAATCTGAGCTGCTTA 539
DB 1440 TACCTTGAAGAGATCTTCAAGCCCAATTAACCAAGCCGCAATCTGAGCTGCTTA 1499

QY 540 TTGTGTGAGGAGCATCAAGTGAAGATTAAGATTAAGATTAAGATTAAGATTAAGAT 599
DB 1500 TTGTGTGAGGAGCATCAAGTGAAGATTAAGATTAAGATTAAGATTAAGATTAAGAT 1559

QY 600 TTTCTAGAAATGAGCAAAAGTGAAGATTTGATTTTCTGCAATCTGATGAGCCCTC 659
DB 1560 TTTCTAGAAATGAGCAAAAGTGAAGATTTGATTTTCTGCAATCTGATGAGCCCTC 1619

QY 660 CACCAACTCTGAGCTGATTTGAGCAAGTGTGAGGCTGAGTACTCCACCTTGAAATGTC 719
DB 1620 CACCAACTCTGAGCTGATTTGAGCAAGTGTGAGGCTGAGTACTCCACCTTGAAATGTC 1679

QY 720 ATCAAACTCTGAGCTGATTTGAGCAAGTGTGAGGCTGAGTACTCCACCTTGAAATGTC 779
DB 1680 ATCAAACTCTGAGCTGATTTGAGCAAGTGTGAGGCTGAGTACTCCACCTTGAAATGTC 1739

QY 780 TGTCTTCTACTACT 839
DB 1740 TGTCTTCTACTACT 1799

QY 840 TGACAGATGAGATTAATTAAGCAAAATCTTACGAGCTTTAACTTAATGAGAA 899
DB 1800 TGACAGATGAGATTAATTAAGCAAAATCTTACGAGCTTTAACTTAATGAGAA 1859

QY 900 TACCTTGAAGTGAAGAGCCCAAGTGAAGCAAAATTAATCAATGTTGGAATTTTC 959
DB 1860 TACCTTGAAGTGAAGAGCCCAAGTGAAGCAAAATTAATCAATGTTGGAATTTTC 1919

QY 960 TGTCCCTCTTAATGATGTGATCAATCAGAAAGTGAAGATCAGTCAATTAATCAAC 1019
DB 1920 TGTCCCTCTTAATGATGTGATCAATCAGAAAGTGAAGATCAGTCAATTAATCAAC 1979

QY 1020 CAATTAATCAACTTTTCTGCAATCTCACTTGAAGTATCAACCTGCAAGAACT 1079
DB 1980 CAATTAATCAACTTTTCTGCAATCTCACTTGAAGTATCAACCTGCAAGAACT 2039

QY 1080 CCAATTTATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1139
DB 2040 CCAATTTATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2099

QY 1140 AGAAGATGATGATTAATCAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1199
DB 2100 AGAAGATGATGATTAATCAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2159

QY 1200 TTTTGAATCAATTCATTTGAGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1259
DB 2160 TTTTGAATCAATTCATTTGAGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2219

QY 1260 CCAAACTCTTTTGTGCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1319
DB 2220 CCAAACTCTTTTGTGCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2279

QY 1320 TGATACCTGTAGAGCTCTCCACCTCTGCACTTTGCAATCTCAACCTGAGCTTAATCAA 1379
DB 2280 TGATACCTGTAGAGCTCTCCACCTCTGCACTTTGCAATCTCAACCTGAGCTTAATCAA 2339

QY 1380 GAGTGAATGATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1439
DB 2340 GAGTGAATGATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2399

QY 1440 ATTCAAGTTTAATGCTTTAATTTCTGAGAGATTAAGTCTCTGTATCTGCAAGTGA 1499

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Db 2400 ATTCAGTTAAATGCTTTAAATTTCTTGAAGATAGAGCTCTGTGATCTGCAGCTGTA 2459
QY 1500 AGTTTGAATATGTATAGCAGTACGACCAAGTCTGCTGCAATCAAGTTGTCTCCAG 1559
Db 2460 AGTTTGAATATGTATAGCAGTACCAAGTCTGCTGCAATCAAGTTGTCTCCAG 2519
QY 1560 AAGCAAAAGAGACATTTCTTCAATTAATGAAAAACAATTCATCATAGAACCCATTG 1619
Db 2520 AAGCAAAAGAGACATTTCTTCAATTAATGAAAAACAATTCATCATAGAACCCATTG 2579
QY 1620 TCTGAAAAAGGATCGAAGTGCAGTGCATTCAGATTTTCAAGTCAATGCAACAGAGGGA 1679
Db 2580 TCTGAAAAAGGATCGAAGTGCAGTGCATTCAGATTTTCAAGTCAATGCAACAGAGGGA 2639
QY 1680 AGAACTCCAAACCAAGCTTTTCAACAGTGCATCTGTTTCTTCAATGTTCTAGCTCT 1739
Db 2640 AGAACTCCAAACCAAGCTTTTCAACAGTGCATCTGTTTCTTCAATGTTCTAGCTCT 2699
QY 1740 GAATGTGTGACTGTAGAGCAATCAAGTGCATTTTGTAAATGACAGGGGAGCTA 1799
Db 2700 GAATGTGTGACTGTAGAGCAATCAAGTGCATTTTGTAAATGACAGGGGAGCTA 2759
QY 1800 CAATATCCAGAAAGTGCAGAACTATTAACCTAAGTCCAACTTAAGTGCAGATGTT 1859
Db 2760 CAATATCCAGAAAGTGCAGAACTATTAACCTAAGTCCAACTTAAGTGCAGATGTT 2819
QY 1860 CTCAGAGTCCAAAGAAATGCTACCTCGGTGCTACACATATTAATTAATGAGGAA 1919
Db 2820 CTCAGAGTCCAAAGAAATGCTACCTCGGTGCTACACATATTAATTAATGAGGAA 2879
QY 1920 GGGCTTGAAGTGCACACAGGCTGTGATCAAAAAA 1957
Db 2880 GGGCTTGAAGTGCACACAGGCTGTGATCAAAAAA 2917

RESULT 10
US-09-908-093-189
; Sequence 189, Application US/09908093
; Publication No. US20030017498A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desmoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 1046-14
; CURRENT APPLICATION NUMBER: US/09/908,093
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
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; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-908-093-189

Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 CAATATGAGCTTTGAAGAGCTCATGCAATGACCTCTTAATTTCTCTGTTTGGC 60
Db 960 CAATATGAGCTTTGAAGAGCTCATGCAATGACCTCTTAATTTCTCTGTTTGGC 1019
QY 61 GGA-CTGACATGGCGGAGCTGAAGGCAATGCAAGCTGCACAGTCAAGTCTGAGGGGTGC 119
Db 1020 GGA-CTGACATGGCGGAGCTGAAGGCAATGCAAGCTGCACAGTCAAGTCTGAGGGGTGC 1079
QY 120 CAATATGAGAGAGCCCAAGCCATGATCTGCAATCTCAATCCAGTGAAGACTGCAC 179
Db 1080 CAATATGAGAGAGCCCAAGCCATGATCTGCAATCTCAATCCAGTGAAGACTGCAC 1139
QY 180 CTGGA-CAATGAAAGCCGAAAGCAAAAGCATGCAATTAATTTCTTATGTCACCT 239
Db 1140 CTGGA-CAATGAAAGCCGAAAGCAAAAGCATGCAATTAATTTCTTATGTCACCT 1159
QY 240 TGATCCAGATGAGAGCTGTGAAGTGAAGAAACATTAAGCTTTGACGAACTCCAGCAA 299
Db 1200 TGATCCAGATGAGAGCTGTGAAGTGAAGAAACATTAAGCTTTGACGAACTCCAGCAA 1259
QY 300 TGGGCTCTGCTTGGGCAAGTCTGCAATGAAGAAAGCAATGATGTTCTGATTTGATCATC 359
Db 1260 TGGGCTCTGCTTGGGCAAGTCTGCAATGAAGAAAGCAATGATGTTCTGATTTGATCATC 1319
QY 360 ATCCAGTACATGACCTTCAATAGTTACTGACACAGAGATTCGAAGAACTGCTT 419
Db 1320 ATCCAGTACATGACCTTCAATAGTTACTGACACAGAGATTCGAAGAACTGCTT 1379
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DB 2520 AAGCAACAGACATTTCTTCAATATAAGAAAAAGATTCATATAGACCCATTGG 2579
QY 1620 TCTGAAAAGGATCGAAGTGCAAGTGGCAATTGAGATTTGAGCATGAAACATGCGGA 1679
DB 2580 TCTGAAAAGGATCGAAGTGCAAGTGGCAATTGAGATTTGAGCATGAAACATGCGGA 2639
QY 1680 AAAAACTCCAAACGACCTTTGAAAGTGTGATCTGTTTCTTATAGTTCTAGCTCT 1739
DB 2640 AAAAACTCCAAACGACCTTTGAAAGTGTGATCTGTTTCTTATAGTTCTAGCTCT 2699
QY 1740 GAATGTGTGATGATGAGCAATCACTAGAGCAATTTGTAATCAAGGCGAGACTA 1799
DB 2700 GAATGTGTGATGATGAGCAATCACTAGAGCAATTTGTAATCAAGGCGAGACTA 2759
QY 1800 CAATATCCAAAGCTGCAAGTATTAATCAAGGCTCAACCTTAAGTGAAGATGTTT 1859
DB 2760 CAATATCCAAAGCTGCAAGTATTAATCAAGGCTCAACCTTAAGTGAAGATGTTT 2819
QY 1860 CTCGAGATGCGAAAGGAATGCTACTGTGCTACATATTAATGAATTAATGAGAA 1919
DB 2820 CTCGAGATGCGAAAGGAATGCTACTGTGCTACATATTAATGAATTAATGAGAA 2879
QY 1920 GGGCCTGAAAGTGACACACAGGCTGATGTCAAAAA 1957
DB 2880 GGGCCTGAAAGTGACACACAGGCTGATGTCAAAAA 2917

RESULT 12
US-09-906-838-189
Sequence 189, Application US/09906838
Publication No. US20030027143A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Geritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/906,838
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28

PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
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PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo Sapien
US-09-906-838-189

Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 CAAATGAGAGCTTTGAAGAGGCTCATGACCTTTAATTTCTCTCTGTTGGC 60
DB 960 CAAATGAGAGCTTTGAAGAGGCTCATGACCTTTAATTTCTCTCTGTTGGC 1019
QY 61 GGA-CTGACAAATGGGGAGGCTGAAGGAGCAAGTGCACAGTCACTTAAGGGGGTGC 119
DB 1020 GAGAGTGAAGAGGAGGAGGCTGAAGGAGCAAGTGCACAGTCACTTAAGGGGGTGC 1079
QY 120 CAATATGAGAGAGCCCAAAAGCCATGATCTGCAATCCAGTGAAGTGCAGC 179
DB 1080 CAATATGAGAGAGCCCAAAAGCCATGATCTGCAATCCAGTGAAGTGCAGC 1139
QY 180 CTGACAAATGAGAGAGCCCAAAAGCCATGATCTGCAATCCAGTGAAGTGCAGC 239
DB 1140 CTGACAAATGAGAGAGCCCAAAAGCCATGATCTGCAATCCAGTGAAGTGCAGC 1199
QY 240 TGATCAATGAGAGAGCTGGAAGGAAACATTAACTTTGACGGAACCTCAGCAA 299
DB 1200 TGATCAATGAGAGAGCTGGAAGGAAACATTAACTTTGACGGAACCTCAGCAA 1259
QY 300 TGGGCTCTGCTAGGGCAAGCTGCAAGTAAACGATATGTTCTGTAATTTGAATCATC 359
DB 1260 TGGGCTCTGCTAGGGCAAGCTGCAAGTAAACGATATGTTCTGTAATTTGAATCATC 1319
QY 360 ATCCAGTACATTGACGTTTCAATATGTTACTGACTCAGCAAGATTTCAAAGAACTGCTTT 419
DB 1320 ATCCAGTACATTGACGTTTCAATATGTTACTGACTCAGCAAGATTTCAAAGAACTGCTTT 1379
QY 420 TGTCTTACTACTTCTCTCTCCCAATCATCTATTCCAAAGTGGGGGTTACTGGA 479
DB 1380 TGTCTTACTACTTCTCTCTCCCAATCATCTATTCCAAAGTGGGGGTTACTGGA 1439
QY 480 TACCTTGAAGAGATCTTCAACAGCCCAATTAACCAAGCCGATCTGAGCTGGCTTA 539
DB 1440 TACCTTGAAGAGATCTTCAACAGCCCAATTAACCAAGCCGATCTGAGCTGGCTTA 1499

Qy	540	TTGTGTGTGGCACTACACAGTGGAGAAAGATTACAAGATTAATACTTAACCTTCAAAAGAGAT	599
Db	1500	TTGTGTGTGGCACTACACAGTGGAGAAAGATTACAAGATTAATACTTCAAAAGAGAT	1555
Qy	600	TTTTCCTGAATATGACAAACAGTGGCAATTTGATTTCTTGGCACTGATGATGGCCCTC	659
Db	1560	TTTTCCTGAATATGACAAACAGTGGCAATTTGATTTCTTGGCACTGATGATGGCCCTC	1619
Qy	660	CACCAACTCTGGCCCTGATTTGAGACAAGTCTGTGGCCGTGTGACTCCACCTTGGAACTGC	719
Db	1620	CACCAACTCTGGCCCTGATTTGAGACAAGTCTGTGGCCGTGTGACTCCACCTTGGAACTGC	1679
Qy	720	ATCAAACTCTGACTGT	779
Db	1680	ATCAAACTCTGACTGT	1739
Qy	780	TGCTTCCTACACTCAATTTATGACAGAAAACATCAACATCAATCTTTAACTTGTCTCTC	839
Db	1740	TGCTTCCTACACTCAATTTATGACAGAAAACATCAACATCAATCTTTAACTTGTCTCTC	1799
Qy	840	TGACAGATGAGAGTATTTATTAAGCAAACTGATGAGGCTTTTAACTGATGGGA	899
Db	1800	TGACAGATGAGAGTATTTATTAAGCAAACTGATGAGGCTTTTAACTGATGGGA	1859
Qy	900	TAACTTGCACTTAAAGACCAACTTGACAGACCAAAATATCAAAATGTTGTGGAATTTTC	959
Db	1860	TAACTTGCACTTAAAGACCAACTTGACAGACCAAAATATCAAAATGTTGTGGAATTTTC	1919
Qy	960	TGTCCCTCTTATNGATGT	1019
Db	1920	TGTCCCTCTTATNGATGT	1979
Qy	1020	CAATATTAATCACTTTTCTGACACTCTCAACTCTGAAGTGAATCAACCGTCAAGAAACACT	1079
Db	1980	CAATATTAATCACTTTTCTGACACTCTCAACTCTGAAGTGAATCAACCGTCAAGAAACACT	2039
Qy	1080	CCAGATTAATGTGAAGTGTGAAATGGGACATATTTCTACGTGAGATTAATATCATTAAC	1139
Db	2040	CCAGATTAATGTGAAGTGTGAAATGGGACATATTTCTACGTGAGATTAATATCATTAAC	2099
Qy	1140	AGAGATGATGTAAATCAAAAGTCAAAATGCACTGGGCAATATTAACCCAGCAAGGCTCT	1199
Db	2100	AGAGATGATGTAAATCAAAAGTCAAAATGCACTGGGCAATATTAACCCAGCAAGGCTCT	2159
Qy	1200	TTTTGAATCCAACTTCAATTTGAAGAAGCTATACCTGAATCACCATATTAATGTGATTTGAA	1259
Db	2160	TTTTGAATCCAACTTCAATTTGAAGAAGCTATACCTGAATCACCATATTAATGTGATTTGAA	2219
Qy	1260	CCAAACTCTTTTGTTCAAAGTTAAGTGTGACACACCTGACATCCAAATTTGTGTGTGTCT	1319
Db	2220	CCAAACTCTTTTGTTCAAAGTTAAGTGTGACACACCTGACATCCAAATTTGTGTGTGTCT	2279
Qy	1320	TGATTCCTGTGAGGCTCTCCCACTCTGACTTTGCACTTCCAACTTACAGCACTTAATCA	1379
Db	2280	TGATTCCTGTGAGGCTCTCCCACTCTGACTTTGCACTTCCAACTTACAGCACTTAATCA	2339
Qy	1380	GAGTGAATGTAGTGCAGATGAAACCTGTGAAGGTATACCTTATTTGGAACAATATGGGAG	1439
Db	2340	GAGTGAATGTAGTGCAGATGAAACCTGTGAAGGTATACCTTATTTGGAACAATATGGGAG	2399
Qy	1440	ATTCCAGTTTAATGCTTTAAATTTCTTGAGAAGTATAGGCTGTGTGATCTGCAGGTGA	1499
Db	2400	ATTCCAGTTTAATGCTTTAAATTTCTTGAGAAGTATAGGCTGTGTGATCTGCAGGTGA	2459
Qy	1500	AGTTTGTATATGATATGACAGTGCACACGTCCTGCTGCATATCAGGTTGTGTCTCCAG	1559
Db	2460	AGTTTGTATATGATATGACAGTGCACACGTCCTGCTGCATATCAGGTTGTGTCTCCAG	2519
Qy	1560	AAGCAAAACGACATTTCTTATTAATATGAAACAGATTCATCATATGAGAACCAATTCG	1619
Db	2520	AAGCAAAACGACATTTCTTATTAATATGAAACAGATTCATCATATGAGAACCAATTCG	2579
Qy	1620	TCTGAAAAGGATGGAAGTGCAGAGTGCCAATTACGATTTTCAGCATGAACAACATGCGGA	1679

Db	2580	TCGAAAAGGAGATCCAAAGGACAGGAGGCAATTCAGAGATTCAGATGAAACATACATGCGGA	2639
Qy	1680	AGAACTCCAAACCCAGCCTTTCAACAGTGTGATGTGTTTCCTCATGTTTCAAGCTCT	1739
Db	2640	AGAACTCCAAACCCAGCCTTTCAACAGTGTGATGTGTTTCCTCATGTTTCAAGCTCT	2699
Qy	1740	GAATGTGTGACTGTGACGACATCACAGTGAAGGATTTTGTAAATCAACGGGAGACTA	1799
Db	2700	GAATGTGTGACTGTGACGACATCACAGTGAAGGATTTTGTAAATCAACGGGAGACTA	2759
Qy	1800	CAATATCCGAAGCTGCGAGACTATTAATCTAACAAGTCCACCTTAAGTGAATGTTT	1859
Db	2760	CAATATCCGAAGCTGCGAGACTATTAATCTAACAAGTCCACCTTAAGTGAATGTTT	2819
Qy	1860	CTCCAGAGTGCCTCAAGGAAATGTCTAAGTGTGCTACACATTTATGAATATGAGAA	1919
Db	2820	CTCCAGAGTGCCTCAAGGAAATGTCTAAGTGTGCTAAGTGTGCTAAGTGTGAGAA	2879
Qy	1920	GGGCGCTGAAAGTGCACACACAGGCTCGATGTCAAAAAA	1957
Db	2880	GGGCGCTGAAAGTGCACACACAGGCTCGATGTGAAAAAA	2917
RESULT 13			
US-09-907-613-189			
; Sequence 189, Application US/09907613			
; Publication No. US20030027145A1			
GENERAL INFORMATION:			
APPLICANT: Genentech, Inc.			
APPLICANT: Ashkenazi, Avi			
APPLICANT: Botstein, David			
APPLICANT: Desnovers, Luc			
APPLICANT: Eaton, Dan L.			
APPLICANT: Ferrara, Napoleone			
APPLICANT: Filvaroff, Ellen			
APPLICANT: Fong, Sherman			
APPLICANT: Gao, Wei-Qiang			
APPLICANT: Gerber, Hanspeter			
APPLICANT: Gerritsen, Mary E.			
APPLICANT: Goddard, A.			
APPLICANT: Godowski, Paul J.			
APPLICANT: Grimaldi, Christopher J.			
APPLICANT: Gurney, Austin L.			
APPLICANT: Hillan, Kenneth, J.			
APPLICANT: Kljavin, Ivar J.			
APPLICANT: Mather, Jennie P.			
APPLICANT: Pan, James			
APPLICANT: Paoni, Nicholas F.			
APPLICANT: Roy, Margaret Ann			
APPLICANT: Stewart, Timothy A.			
APPLICANT: Tumas, Daniel			
APPLICANT: Williams, P. Mickey			
APPLICANT: Wood, William, I.			
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic			
FILE REFERENCE: 10466-14			
CURRENT APPLICATION NUMBER: US/09/907,613			
CURRENT FILING DATE: 2001-07-17			
PRIOR APPLICATION NUMBER: PCT/US00/04414			
PRIOR FILING DATE: 2000-02-22			
PRIOR APPLICATION NUMBER: US 60/143,048			
PRIOR FILING DATE: 1999-07-07			
PRIOR APPLICATION NUMBER: US 60/145,698			
PRIOR FILING DATE: 1999-07-26			
PRIOR APPLICATION NUMBER: US 60/146,222			
PRIOR FILING DATE: 1999-07-28			
PRIOR APPLICATION NUMBER: PCT/US99/20594			
PRIOR FILING DATE: 1999-09-08			
PRIOR APPLICATION NUMBER: PCT/US99/20944			
PRIOR FILING DATE: 1999-09-13			
PRIOR APPLICATION NUMBER: PCT/US99/21090			
PRIOR FILING DATE: 1999-09-15			

PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-907-613-189

Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

1 CAAATGAGCTTGTAAAGAGCTCATGTCATGACCCCTTAATTCCTCTGTTGGC 60
960 CAAATGAGCTTGTAAAGAGCTCATGTCATGACCCCTTAATTCCTCTGTTGGC 1019
61 GGA-CTGACATGCGGAGGCTGAAAGGCAATGCAAGCTGACAGTCACTAGGGGGTGC 119
1020 GGAGCTGACATGCGGAGGCTGAAAGGCAATGCAAGCTGACAGTCACTAGGGGGTGC 1079
120 CAAATGCGAGAGCCCAACAAAGCCATGATCTGCACTCAATCCAGTGAAGACTGCAC 179
1080 CAAATGCGAGAGCCCAACAAAGCCATGATCTGCACTCAATCCAGTGAAGACTGCAC 1139
180 CTGACATGAGAAACCAAGAAACCAAGCAATGATCTGATCTGATTTGAATCATC 239
1140 CTGACATGAGAAACCAAGAAACCAAGCAATGATCTGATCTGATTTGAATCATC 1199
240 TGATCAGATGAGAGCTGTGAAGTGAAGAAACATTAAGTCTTGAACGAACTCCAGCA 299
1200 TGATCAGATGAGAGCTGTGAAGTGAAGAAACATTAAGTCTTGAACGAACTCCAGCA 1259
300 TGGGCTCTGTAGGGCAAGTCTGCAAGTAAAGCACTAATGTTCTGATTTGAATCATC 359
1260 TGGGCTCTGTAGGGCAAGTCTGCAAGTAAAGCACTAATGTTCTGATTTGAATCATC 1319
360 ATCCAGTCAATTGAGAGTTTCAAAATAGTAACTGACAGAGAAATTCAGAAAGTGTCTT 419
1320 ATCCAGTCAATTGAGAGTTTCAAAATAGTAACTGACAGAGAAATTCAGAAAGTGTCTT 1379
420 TGTCTTCTACTACT 479
1380 TGTCTTCTACTACT 1439
480 TACCTTGAAGAGATCTTCAACAGCCCAATTAACCAAGCCGATCTCTGAGCTGGCTTA 539
1440 TACCTTGAAGAGATCTTCAACAGCCCAATTAACCAAGCCGATCTCTGAGCTGGCTTA 1499
540 TTGTGTGTGGCAGATTAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 599
1500 TTGTGTGTGGCAGATTAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1559
600 TTTCTTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 659

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660 CACCAACTCTGGCTGATTTGACAAAGTGTGGCCGTGTGACTCCACCTTGAAATGCTC 719
1620 CACCAACTCTGGCTGATTTGACAAAGTGTGGCCGTGTGACTCCACCTTGAAATGCTC 1679
720 ATCAAACTCTGACGT 779
1680 ATCAAACTCTGACGT 1739
780 TGTCTTCTACTACT 839
1740 TGTCTTCTACTACT 1799
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1800 TGAAGATGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1859
900 TTAATTTGACAACTTAAAGCCCACTTGGACACCAAAATTAATCAATGTGTGGAAATTTTC 959
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960 TGTCTTCTACTACT 1019
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1020 CAAATTAATCACTTTTCTGCACTCTCACTTGTGAAGTATCACCCGTGAGAAACAAT 1079
1980 CAAATTAATCACTTTTCTGCACTCTCACTTGTGAAGTATCACCCGTGAGAAACAAT 2039
1080 CCAGATTTATGGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1139
2040 CCAGATTTATGGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 2099
1140 AGAAGATGATGATTAATACAAAGTCAAAATGCACTGGGCAATATTAACACAGATGGCTCT 1199
2100 AGAAGATGATGATTAATACAAAGTCAAAATGCACTGGGCAATATTAACACAGATGGCTCT 2159
1200 TTTTGAATTCAAATTCATTTGAAAGAGCTATGCTGAAATCACCATATTAATGAGATTTGAA 1259
2160 TTTTGAATTCAAATTCATTTGAAAGAGCTATGCTGAAATCACCATATTAATGAGATTTGAA 2219
1260 CCAAACTCTTTTGTGTTCAAGTTAGTGCACACCTCAATCAAAATTTGGTGGTCTCT 1319
2220 CCAAACTCTTTTGTGTTCAAGTTAGTGCACACCTCAATCAAAATTTGGTGGTCTCT 2279
1320 TGAATCACTGTAAGGCTCTCCCACTCTGACCTTTGACATCTCAACCTGACACTAATCA 1379
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1380 GAGTGAATGATGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1439
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1440 ATTCAGATTTAATGCTTTAATTTCTGGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1499
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1500 AGTTTGAATGATGATGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1559
2460 AGTTTGAATGATGATGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 2519
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2520 AAGCAACGAGACATTTCTTCAATTAATGAGAAACAGATTCATCATAGAACCATTCG 2579
1620 TCTGAAAAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1679
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1680 AGAAACTTCAAAACAGCTTCAACAGTGTGATCTGTTTCTCTCAATGTTTCAAGTCTCT 1739
2640 AGAAACTTCAAAACAGCTTCAACAGTGTGATCTGTTTCTCTCAATGTTTCAAGTCTCT 2699

QY 1740 GAATGTGTGACTGTAGGACATCATCATGAGGCACTTTGTAATCAACGGGAGACTA 1799
 DB 2700 GAATGTGTGACTGTAGGACATCATCATGAGGCACTTTGTAATCAACGGGAGACTA 2759
 QY 1800 CAATATCAGAGGTGAGAACTTAACTAAAGGTGCAACCTTAGTGAGACATGTTT 1859
 DB 2760 CAATATCAGAGGTGAGAACTTAACTAAAGGTGCAACCTTAGTGAGACATGTTT 2819
 QY 1860 CTCAGAGATGCGCAAGGAAATGCTACTCTGTGCTACACATATTTATGATGAGAA 1919
 DB 2820 CTCAGAGATGCGCAAGGAAATGCTACTCTGTGCTACACATATTTATGATGAGAA 2879
 QY 1920 GGGCTGAAGTGACACACAGGCGCTGATGCTCAAAAA 1957
 DB 2880 GGGCTGAAGTGACACACAGGCGCTGATGCTCAAAAA 2917

RESULT 14
 US-09-907-942-189
 Sequence 189, Application US/09907942
 Publication No. US20030027146A1
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc.
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Filvarolf, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerltzen, Mary E.
 APPLICANT: Godowski, A.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth, J.
 APPLICANT: Kijavlin, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William, I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/907,942
 PRIOR FILING DATE: 2002-01-22
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: US 60/143,048
 PRIOR FILING DATE: 1999-07-07
 PRIOR APPLICATION NUMBER: US 60/145,698
 PRIOR FILING DATE: 1999-07-26
 PRIOR APPLICATION NUMBER: US 60/146,222
 PRIOR FILING DATE: 1999-07-28
 PRIOR APPLICATION NUMBER: PCT/US99/20594
 PRIOR FILING DATE: 1999-09-08
 PRIOR APPLICATION NUMBER: PCT/US99/20944
 PRIOR FILING DATE: 1999-09-13
 PRIOR APPLICATION NUMBER: PCT/US99/21090
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/21547
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/23089
 PRIOR FILING DATE: 1999-10-05
 PRIOR APPLICATION NUMBER: PCT/US99/28214
 PRIOR FILING DATE: 1999-11-29

PRIOR APPLICATION NUMBER: PCT/US99/28313
 PRIOR FILING DATE: 1999-11-30
 PRIOR APPLICATION NUMBER: PCT/US99/28564
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/28565
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/30095
 PRIOR FILING DATE: 1999-12-16
 PRIOR APPLICATION NUMBER: PCT/US99/30911
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US99/30999
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US00/00219
 PRIOR FILING DATE: 2000-01-05
 NUMBER OF SEQ ID NOS: 423
 SEQ ID NO 189
 LENGTH: 2917
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-907-942-189

Query Match 98.9% Score 1944.4; DB 10; Length 2917;
 Best local similarity 99.9% Pred. No. 0; Mismatches 1; Gaps 1;

Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 CAAATGAGAGCTTTGAGAGAGCTGATGCAATGACCTCTTAATCTCTCTGTTGGC 60
 DB 960 CAAATGAGAGCTTTGAGAGAGCTGATGCAATGACCTCTTAATCTCTCTGTTGGC 1019
 QY 61 GGA-CTGACATGGGGGAGGCTGAAGCAATGCAAGCTGCAAGCTCTAGGGGTGC 119
 DB 1020 GGA-CTGACATGGGGGAGGCTGAAGCAATGCAAGCTGCAAGCTCTAGGGGTGC 1079
 QY 120 CAAATGAG 179
 DB 1080 CAAATGAG 1139
 QY 180 CTGACATTAAG 239
 DB 1140 CTGACATTAAG 1199
 QY 240 TGATCAGATGAG 299
 DB 1200 TGATCAGATGAG 1259
 QY 300 TGGGCTCTGCTAGGAG 359
 DB 1260 TGGGCTCTGCTAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1319
 QY 360 ATCCAGTACATGAG 419
 DB 1330 ATCCAGTACATGAG 1379
 QY 420 TGTCTTACTACT 479
 DB 1380 TGTCTTACTACT 1439
 QY 480 TACTTGAAGAGATCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 539
 DB 1440 TACTTGAAGAGATCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1499
 QY 540 TTGTGTGAGCAATCAAGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 599
 DB 1500 TTGTGTGAGCAATCAAGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1559
 QY 600 TTCTCTGAAG 659
 DB 1560 TTCTCTGAAG 1619
 QY 660 CACCAACTGAGGCTGATGAGCAAGTCTGTGGCGGTGATCCCACTTGAATGCTC 719
 DB 1620 CACCAACTGAGGCTGATGAGCAAGTCTGTGGCGGTGATCCCACTTGAATGCTC 1679

; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-09-864-859-189

Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 CAAATGAGCTGTGTAAGAGGCTCATGCGCATGACCTCTTAATTTCTTCCTGTTTGGC 60
 Db 960 CAAATGAGCTGTGTAAGAGGCTCATGCGCATGACCTCTTAATTTCTTCCTGTTTGGC 1019
 QY 61 GGA-CTGACAAATGCGGAGGCTGTAAGGCAATGCAAGCTGCAAGTCTAGTCTAAGGGGGTGC 119
 Db 1020 GGAGCTGACAAATGCGGAGGCTGTAAGGCAATGCAAGCTGCAAGTCTAGTCTAAGGGGGTGC 1079
 QY 120 CAATATGGCGAGACCCCAAAAGCATGATCTGCAACTCAATCCAGTGAAGACTGAC 179
 Db 1080 CAATATGGCGAGACCCCAAAAGCATGATCTGCAACTCAATCCAGTGAAGACTGAC 1139
 QY 180 CTGACAAATGAAAGACCAAGAAACAAAGCATGAAATATCTTTTCCATATGCCAGCT 239
 Db 1140 CTGACAAATGAAAGACCAAGAAACAAAGCATGAAATATCTTTTCCATATGCCAGCT 1199
 QY 240 TGATCCAGATGGAAGCTGTGAAAGTGAACCATTAAGTCTTTGACGGAACCTCCAGCAA 239
 Db 1200 TGATCCAGATGGAAGCTGTGAAAGTGAACCATTAAGTCTTTGACGGAACCTCCAGCAA 1259
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 Db 1260 TGGGCTCTGCTGAGGCGAAGTCTGCAAGTAAAGCACTAATGTTCCGTATTTGAATCATC 1319
 QY 360 ATCCAGTACATGACGTTTCAATAGTACTGACTGACGAAGATTCAAAGAACTGTCTT 419
 Db 1320 ATCCAGTACATGACGTTTCAATAGTACTGACTGACGAAGATTCAAAGAACTGTCTT 1379
 QY 420 TGTCTTCTACTCTTCTTCTTCTCTTAACATCTTATTCCAAACGTGCGGTTACTGTGA 479
 Db 1380 TGTCTTCTACTCTTCTTCTTCTCTTAACATCTTATTCCAAACGTGCGGTTACTGTGA 1439
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 Db 1560 TTTCTAGAAATGACAAACAGTGAATTTGATTTTCTTGCACTCTATGATGAGCCCTTC 1619
 QY 660 CACCAACTGTGCGCTGATTTGAACAAGTGTGCGCGTGTGACTCCCACTTGAATGCTC 719
 Db 1620 CACCAACTGTGCGCTGATTTGAACAAGTGTGCGCGTGTGACTCCCACTTGAATGCTC 1679
 QY 720 ATCAAACCTCTGATGTGTGTGTGTCTACAGATTATGCAATTTCTTACCGGGGATTTTC 779
 Db 1880 ATCAAACCTCTGATGTGTGTGTGTCTACAGATTATGCAATTTCTTACCGGGGATTTTC 1739

QY 780 TGTCTCTACACCTCAATTTATGAGAAACATCAACTACATCTTAACTGTGCTTC 839
 Db 1740 TGTCTCTACACCTCAATTTATGAGAAACATCAACTACATCTTAACTGTGCTTC 1799
 QY 840 TGAACAGATGAGGTTTATTAAGCAATCTTACTAGAGGCTTTAACTTAATGGGA 899
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 Db 1860 TAACTTGAACCTAAAGACCCCACTTGCAGACCAAAATTAATCAATGTGTGGAATTTTC 1919
 QY 960 TGTCTCTTAAATGATGTGTGATCAATCAAGAAAGTGAAGATGATCAATTAATTAC 1019
 Db 1920 TGTCTCTTAAATGATGTGTGATCAATCAAGAAAGTGAAGATGATCAATTAATTAC 1979
 QY 1020 CAATATATACCTTTTCTGCACTCTTCACTTGAAGTATCAACCGTCAAGAAACACT 1079
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 QY 1140 AGAAGATGATGTAATCAAAAGTCAAAATGCACTGGGCAATATTAACAACAGATGCTCT 1199
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 Db 2760 CAAATACGAACCTGAGAGATTAATTAACAGGTTCAACCTTAATGAGACATGTTT 2819
 QY 1860 CTCAGAGATGCCAAAGAAATGCTACCTGTGTGCTACATATTAATGAATGAAGGA 1919

Db	2820	CTCCAGATGCGAAGGAAATGCTACCTCGTGGTACACATATTATGATTAATGAGGAA	2879
Qy	1920	GGGCCTGAAAGTGACACACAGGCGCTGCATGCAAAAAA	1957
Db	2880	GGGCTGAAAGTGACACACAGGCGCTGCATGTTTTAAAAA	2917

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Job time : 1093.57 secs
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QY 311 TCTGTAATAATGAGTAAGTAATATAATTAATACCATACAGGGCTATTGAGAACCA 370
DB 5937 TCTGTAATAATGAGTAAGTAATATAATTAATACCATACAGGGCTATTGAGAACCA 5996
QY 371 AATCAGAGAGTCCATTTGGGAGGCTCAGAGGTGATGTAATTTCTGCTCCAGAGGTA 430
DB 5997 AATCAGAGAGTCCATTTGGGAGGCTCAGAGGTGATGTAATTTCTGCTCCAGAGGTA 6056
QY 431 AGCAAGCAGAGTGAAGTGTCCCATGGTAGGGATGTCATAGCAAAAGAGCACTAAGCC 490
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DB 6177 AAGGAGCTTTGATCTTGGCTTTGGCAAGCATGCTTCTCTGAGCACTAGCAAGTCC 6236
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DB 6537 GACTAGTGAAGAGTGTGCTCTCAAGTCTTCAATGAGGCAAGATGATGATGATG 6596
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DB 6597 TCCAGTGGGCCCCATGCTTGAAGACATCCCTGCTGATGATGATGATGATGATG 6656
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DB 6657 CCTTCTCCCAACCCGCTCTCAATTTAGTCTCTGCGGCTCTGAACCTGAAATTCAC 6716
QY 1091 AAATGACCATTTCCCTGATCCCATCTCATGCTTTGCTCTCCCTTGAAGCCG 1150
DB 6717 AAATGACCATTTCCCTGATCCCATCTCATGCTTTGCTCTCCCTTGAAGCCG 6776
QY 1151 GGAATGCGTCACTTGTCTTACGATGTAAGAAATCTCTAACCAGTTTCAATTTCAATAC 1210
DB 6777 GGAATGCGTCACTTGTCTTACGATGTAAGAAATCTCTAACCAGTTTCAATTTCAATAC 6836
QY 1211 CACTGTGATCCTTCCCTGACTTCAACAGAGACTCAAGATGATGATGATGATGATG 1270
DB 6837 CACTGTGATCCTTCCCTGACTTCAACAGAGACTCAAGATGATGATGATGATGATG 6896
QY 1271 CCGTGTATGTAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1330
DB 6897 CCGTGTATGTAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 6956
QY 1331 ATATGTGTGTTTACAGAGCAAGAAATCTCATGGGCAAGTCTCATGCTTATTTA 1390
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DB 6957 ATATGTGTGTTTACAGAGCAAGAAATCTCATGGGCAAGTCTCATGCTTATTTA 7016
QY 1391 CTTATATGTGAATGACCTTAGATTTTGAAGAGTGTGTAAGTGTCTATGCTGTA 1450
DB 7017 CTTATATGTGAATGACCTTAGATTTTGAAGAGTGTGTAAGTGTCTATGCTGTA 7076
QY 1451 ATCCCAACAGTTTGGAGGCTGAGGCGGCAATGCTTGAAGTGTGAGAGATTGAACCA 1510
DB 7077 ATCCCAACAGTTTGGAGGCTGAGGCGGCAATGCTTGAAGTGTGAGAGATTGAACCA 7136
QY 1511 GCTTGGCAATATGCAAAACCCCATCTTTATTAATAATACAAATTTAGCCAGGTGTGT 1570
DB 7137 GCTTGGCAATATGCAAAACCCCATCTTTATTAATAATACAAATTTAGCCAGGTGTGT 7196
QY 1571 GGTCTATGCTGTAAATCCCATGCTGTATATCCACCTTTGGAGGCTGAGAGAGAT 1630
DB 7197 GGTCTATGCTGTAAATCCCATGCTGTATATCCACCTTTGGAGGCTGAGAGAGAT 7256
QY 1631 CACTGAATCCAGAGGCAAGAGTTCAGTGAATGATGATGACCACTGCACTCCAGCC 1690
DB 7257 CACTGAATCCAGAGGCAAGAGTTCAGTGAATGATGATGACCACTGCACTCCAGCC 7316
QY 1691 TGGGCAACACAGCAAACTGCTGTGTGAAAAA 1739
DB 7317 TGGGCAACACAGCAAACTGCTGTGTGAAAAA 7365

RESULT 2
US-09-949-016-14406
; Sequence 14406, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14406
; LENGTH: 19181
; TYPE: DNA
; ORGANISM: Human
; FEATURES:
; NAME/KEY: misc feature
; LOCATION: (1) - (19181)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14406

Query Match 97.7%; Score 1698.6; DB 4; Length 19181;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 1710; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
QY 11 CGGGGCGATGACCTTAGAGTCAAGGGAATGGGCTCTCCATTCATTTGCTGTAAACC 70
DB 5637 CAGGGGATGAGACTAGGTCAGAGGAGATGTGGGCTCTCCATTCATTTGCTGTAAACC 5696
QY 71 AGTGGGTTGCAAGATGAGAGGAGGAGGTTGGAGCAATTTCCAGTCACTGCTGGGC 130
DB 5697 AGTGGGTTGCAAGATGAGAGGAGGAGGTTGGAGCAATTTCCAGTCACTGCTGGGC 5756
QY 131 CGTGGCTCAGGAATGATGTTCTGACATGGGAGGCTTGAACCCCTGAGGGATGAAGACT 190
DB 5757 CGTGGCTCAGGAATGATGTTCTGACATGGGAGGCTTGAACCCCTGAGGGATGAAGACT 5816
QY 191 GAAGATGATTAATTCGCTAATGTAGAGCTATGTTTTCATAGCAAGGGCTTCATGTC 250
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Db 5817 GAAAGATGATTAATTCCTCTAATGTAAGAGCTATGTTTTCATAGCAAGGGTCTTCATGTC 5876
Qy 251 AGGGAATGAGGAGACTTCTGGGAGCAAGTCACTACTGTCCTGAGCTGGAATATCTCA 310
Db 5877 AGGGAATGAGGAGACTTCTGGGAGCAAGTCACTACTGTCCTGAGCTGGAATATCTCA 5936
Qy 311 TCTGTAATGAGGATGAGGATTAATTAATACCACTACAGGGGCTAATGGAAGACTA 370
Db 5937 TCTGTAATGAGGATGAGGATTAATTAATACCACTACAGGGGCTAATGGAAGACTA 5996
Qy 371 AATCAGAGAGTCCAAATGAGGAGCTCAGAGAGTGAATTTCTGTCCTCAGAGAGTA 430
Db 5997 AATCAGAGAGTCCAAATGAGGAGCTCAGAGAGTGAATTTCTGTCCTCAGAGAGTA 6056
Qy 431 AGCAAGCAAGTGAAGTATGTCCTCAGAGAGTGAATTTCTGTCCTCAGAGAGTA 490
Db 6057 AGCAAGCAAGTGAAGTATGTCCTCAGAGAGTGAATTTCTGTCCTCAGAGAGTA 6116
Qy 491 TGGACAGGGGATGATGAGGCTCCACTGAGATTAATTCCTCCATCACTGAACTTAAC 550
Db 6117 TGGACAGGGGATGATGAGGCTCCACTGAGATTAATTCCTCCATCACTGAACTTAAC 6176
Qy 551 AAGGAGCTTTGATCTTGCTTGGCACAAGCATGCTCTCTGAGACACTCAAGTCC 610
Db 6177 AAGGAGCTTTGATCTTGCTTGGCACAAGCATGCTCTCTGAGACACTCAAGTCC 6236
Qy 611 CTATGAGAGAGAGTGTCTTGAAGCAGAGACAGACAGAGAGAGTGAATTTGAGAAA 670
Db 6237 CTATGAGAGAGAGTGTCTTGAAGCAGAGACAGACAGAGAGAGTGAATTTGAGAAA 6296
Qy 671 CGGAGCAAGTGTGAACAGGGGAGTGTGAATGTCCTCCAGAGAGAGAGAGTGTGAGAA 730
Db 6297 CGGAGCAAGTGTGAACAGGGGAGTGTGAATGTCCTCCAGAGAGAGAGAGTGTGAGAA 6356
Qy 731 TGAAGGGATGAGGAAACAACAACCACTGATCTCTTGAAGACTCTTCTGCTCATTTAG 790
Db 6357 TGAAGGGATGAGGAAACAACAACCACTGATCTCTTGAAGACTCTTCTGCTCATTTAG 6416
Qy 791 TGAATGAAGGCCCCAGAGATTCAGTGTGTTTCTGGGGTTTGGGCCCCATCAAGAGTCA 850
Db 6417 TGAATGAAGGCCCCAGAGATTCAGTGTGTTTCTGGGGTTTGGGCCCCATCAAGAGTCA 6476
Qy 851 ATTTGGGCTTTAAGAGGCCCCCTGTAACCTGAGTGAAGGCTCCAGAGAGAGTCAAGT 910
Db 6477 ATTTGGGCTTTAAGAGGCCCCCTGTAACCTGAGTGAAGGCTCCAGAGAGAGTCAAGT 6536
Qy 911 GACTAGTGAAGAGTGTGCTGCTCAAGTCTTCACTGAGTGAAGAGTGAAGTGAAGT 970
Db 6537 GACTAGTGAAGAGTGTGCTGCTCAAGTCTTCACTGAGTGAAGAGTGAAGTGAAGT 6596
Qy 971 TCCAGTGGGCCCCCATTTGTCGAGACACATCCCTGTCGCTGACTTTCACTTCATCT 1030
Db 6597 TCCAGTGGGCCCCCATTTGTCGAGACACATCCCTGTCGCTGACTTTCACTTCATCT 6656
Qy 1031 CCTTCTCCCAACCTGCTCTCATTTAGTTCTGCGGCTGGAACCTGGAATTTCCAG 1090
Db 6657 CCTTCTCCCAACCTGCTCTCATTTAGTTCTGCGGCTGGAACCTGGAATTTCCAG 6716
Qy 1091 AATATGACCAATTCCTCTATCCCATCTCATGCTTTGCTCTCCGTTCCCTTAGCCTG 1150
Db 6717 AATATGACCAATTCCTCTATCCCATCTCATGCTTTGCTCTCCGTTCCCTTAGCCTG 6776
Qy 1151 GGATGCGTTCACTTGCTTACTGACTTGAACAACTCTTACCAAGTTTCAAAATTTCAATC 1210
Db 6777 GGATGCGTTCACTTGCTTACTGACTTGAACAACTCTTACCAAGTTTCAAAATTTCAATC 6836
Qy 1211 CACTGGAATCTCTTCCCTGACTTTCAACAGAGAGTGAATTAACCTTTCTCTGCTCCC 1270
Db 6837 CACTGGAATCTCTTCCCTGACTTTCAACAGAGAGTGAATTAACCTTTCTCTGCTCCC 6896
Qy 1271 CCTGATCTGTATCAATCTCTGCTGATCTTTATCATATGAATTAATAACGTTG 1330
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Qy 1331 ATATGTTGTTTATCAACAAGCAAGAAATCTCTATGAGGAGTCAATGCTTAATTTA 1390
Db 6957 ATATGTTGTTTATCAACAAGCAAGAAATCTCTATGAGGAGTCAATGCTTAATTTA 7016
Qy 1391 CTTCATGTTGAATGACCTTGAAGAGTGTGTAAGGAGTGTGTAAGGAGTGTGTAAG 1450
Db 7017 CTTCATGTTGAATGACCTTGAAGAGTGTGTAAGGAGTGTGTAAGGAGTGTGTAAG 7076
Qy 1451 ATCCCAACAGTTTGGAGGCTGAGGCGGAGATGCTTGAAGTCAAGAGTTGAAACCA 1510
Db 7077 ATCCCAACAGTTTGGAGGCTGAGGCGGAGATGCTTGAAGTCAAGAGTTGAAACCA 7136
Qy 1511 GCTGAGCAATATGCAAAACCCCATCTTTATTAATTAATGAAATTAAGCAGTGTG 1570
Db 7137 GCTGAGCAATATGCAAAACCCCATCTTTATTAATTAATGAAATTAAGCAGTGTG 7196
Qy 1571 GGCTCATGCTGTAATCCCATGCTGTATATCCAGCTTGGAGGCTGAGGAGAGTGA 1630
Db 7197 GGCTCATGCTGTAATCCCATGCTGTATATCCAGCTTGGAGGCTGAGGAGAGTGA 7256
Qy 1631 CACTGGAATTCAGAGGAGGAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 1690
Db 7257 CACTGGAATTCAGAGGAGGAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 7316
Qy 1691 TGGGCAACACTGAGCAAACTGCTGCTGTGTAATTAATTAATTAATTAATTAAT 1739
Db 7317 TGGGCAACACTGAGCAAACTGCTGCTGTGTAATTAATTAATTAATTAATTAAT 7365

RESULT 3
US-09-949-016-11956
; Sequence 11956, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11956
; LENGTH: 20713
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(20713)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11956

Query Match 97.7%; Score 1698.6; DB 4; Length 20713;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 1710; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

Qy 11 CGGGGCAATGACCTGAGGTCAAGGAAATGAGGCTCTCCATTCATTTGCTGTAAGCC 70
Db 6718 CAGGGGCAATGACCTGAGGTCAAGGAAATGAGGCTCTCCATTCATTTGCTGTAAGCC 6777
Qy 71 AGTGGGTTTGAAGATGAGAGGAGGAGGAGTGAAGCAATTTTCAAGTCAAGTGTGGC 130
Db 6778 AGTGGGTTTGAAGATGAGAGGAGGAGGAGTGAAGCAATTTTCAAGTCAAGTGTGGC 6837
Qy 131 COTGGCCTCAGAAATGTTCTGACATGAGGAGGCTTGAACCCCTGAGGATGAAGACT 190
Db 190 COTGGCCTCAGAAATGTTCTGACATGAGGAGGCTTGAACCCCTGAGGATGAAGACT 190
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Db 6838 CGTGGCCCTCAGGAATGGTTCTGACATGGGAGGCTGTGACCCCTAGGGATGAMAGACT 6897
Qy 191 GAAGATGATTAATTCGTCTAATGTAGAGCTATGTTTTCATAGCCACAGGGTCTTCATGTC 250
Db 6898 GAAGTGTATTAATTCGTCTAATGTAGAGCTATGTTTTCATAGCCACAGGGTCTTCATGTC 6957
Qy 251 AGGACATAGGGGAGCTCTGAGGAGCAGTCACTCTGCTGTGAGCTGTAATCTCTCA 310
Db 6958 AGGACATAGGGGAGCTCTGAGGAGCAGTCACTCTGCTGTGAGCTGTAATCTCTCA 7017
Qy 311 TCTGTAAATAGAGTAAAGTAAATATATATACCCACATAGAGGCTATGTGAGAACTA 370
Db 7018 TCTGTAAATAGAGTAAAGTAAATATATATACCCACATAGAGGCTATGTGAGAACTA 7077
Qy 371 AATAGAGCAGTCCATTTGGGAGGCTCAGAGAGTGAATTTTCTGCTCCAGAGGTA 430
Db 7078 AATAGAGCAGTCCATTTGGGAGGCTCAGAGAGTGAATTTTCTGCTCCAGAGGTA 7137
Qy 431 AGCAAGCAGATGATGTCCCATGGGTAGGATGTCTATAGCAAAAGACCTTAAGCCC 490
Db 7138 AGCAAGCAGATGATGTCCCATGGGTAGGATGTCTATAGCAAAAGACCTTAAGCCC 7197
Qy 491 TGAACAGGGATGATGAGCTCTCCACTGAGATTATTTCCCTCCATCAGTGAATCTTAC 550
Db 7198 TGAACAGGGATGATGAGCTCTCCACTGAGATTATTTCCCTCCATCAGTGAATCTTAC 7257
Qy 551 AAGGCTCTTGATCTTGGCATTGGCAGAGATGCTCTCTCTGAGCAGCCTCAAGTCC 610
Db 7258 AAGGCTCTTGATCTTGGCATTGGCAGAGATGCTCTCTCTGAGCAGCCTCAAGTCC 7317
Qy 611 CTATGAGAGAGATGTCTTAGGACAGACAGAGAGAGATGACATTTGGAAAA 670
Db 7318 CTATGAGAGAGATGTCTTAGGACAGACAGAGAGAGATGACATTTGGAAAA 7377
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Db 7378 CGAGCAGCAGTGTGAACAGGGGATGCTTATGATGTGCCAGAGAACTCTGGGAAA 7437
Qy 731 TGAAGGGTGAAGGAACAACAACCTTGATCTCTTGAAGACTCTTCTGCTCATTTAG 790
Db 7438 TGAAGGGTGAAGGAACAACAACCTTGATCTCTTGAAGACTCTTCTGCTCATTTAG 7497
Qy 791 TGAATAGAGCCCAAGATTCAGTGTGTTTCTGAGGTTTGGGCCATCAGAGTCTAG 850
Db 7498 TGAATAGAGCCCAAGATTCAGTGTGTTTCTGAGGTTTGGGCCATCAGAGTCTAG 7557
Qy 851 ATTTTGGCTTTAAGAGAGCCCTCCCTGTAACCTGAGATGGGCTCCAGAGAGTCTAGCT 910
Db 7558 ATTTTGGCTTTAAGAGAGCCCTCCCTGTAACCTGAGATGGGCTCCAGAGAGTCTAGCT 7617
Qy 911 GACTAGTGAAGAGTGTGCTGCTCAAGTCTTTCATCACTGAGTGGCAGACATGATGAGT 970
Db 7618 GACTAGTGAAGAGTGTGCTGCTCAAGTCTTTCATCACTGAGTGGCAGACATGATGAGT 7677
Qy 971 TCCAGTGGGCCCCCATTTGCTGTGAGACACATCCCTGCTGCTGAGCTTCACTTCATCT 1030
Db 7678 TCCAGTGGGCCCCCATTTGCTGTGAGACACATCCCTGCTGCTGAGCTTCACTTCATCT 7737
Qy 1031 CCTTCTCCACACCTGCTCTCATTTTAAAGTCTGCGGCTCTGAACTCTGAAATTTCCAC 1090
Db 7738 CCTTCTCCACACCTGCTCTCATTTTAAAGTCTGCGGCTCTGAACTCTGAAATTTCCAC 7797
Qy 1091 AAATGACCATTTCCCTATCCCATCTCAGTCTTTTGGCTCTGCTGCTTACGCTG 1150
Db 7798 AAATGACCATTTCCCTATCCCATCTCAGTCTTTTGGCTCTGCTGCTTACGCTG 7857
Qy 1151 GGAATGCTTCACTGCTTCACTGAGTCAAACTCTACCAAGCTTCAATTTCAATAC 1210
Db 7858 GGAATGCTTCACTGCTTCACTGAGTCAAACTCTACCAAGCTTCAATTTCAATAC 7917
Qy 1211 CACGTGAATCTTCCCTGACTTCAAGAGAGCTCAATGACCTTCTCTGCTGCTCC 1270

Db 7918 CACTGATATCTTCCCTGACTTACACAGAGACTCAGATAGACTCTTCTCTGCTCC 7977
Qy 1271 CCTGATCTGTACTACTTCTGCTGTATCTTATCATATTTAGATATATATATCTGTTG 1330
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Qy 1391 CTTCAATGTTGATGACCTTAGCATTTTGAAGAGTGTGTAAAGTGTCTCATGCTGTGA 1450
Db 8098 CTTCAATGTTGATGACCTTAGCATTTTGAAGAGTGTGTGTAAAGTGTCTCATGCTGTGA 8157
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Db 8158 ATCCCAAGTTTGGAGGCTGAGGCGGCGGAGATGCTTGAAGTGAAGATTTGAAACCA 8217
Qy 1511 GCTGSCCAATATGCAAAACCCCATCTTTATATATATATACAGAAATTTAGCAGGTGTGT 1570
Db 8218 GCTGSCCAATATGCAAAACCCCATCTTTATATATATATACAGAAATTTAGCAGGTGTGT 8277
Qy 1571 GGCTATGCTGTATATCCCATGCTGTATATCCAGCTTGGAGGCTGAGGACAGAGAT 1630
Db 8278 GGCTATGCTGTATATCCCATGCTGTATATCCAGCTTGGAGGCTGAGGACAGAGAT 8337
Qy 1631 CACTTGAATCCAGAGGAGAGGTTGAGTGAATGAGATTTGAGCACTGACCTCCAGCC 1690
Db 8338 CACTTGAATCCAGAGGAGAGGTTGAGTGAATGAGATTTGAGCACTGACCTCCAGCC 8397
Qy 1691 TGGGCAACCTGAGCAAACTGCTGTCTGTAATATATATATATATATATATATATAT 1739
Db 8398 TGGGCAACCTGAGCAAACTGCTGTCTGTAATATATATATATATATATATATATAT 8446

RESULT 4
US-09-949-016-14403
; Sequence 14403, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C0601307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14403
; LENGTH: 20727
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(20727)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14403

Query Match 97.7%; Score 1698.6; DB 4; Length 20727;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 1710; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
Qy 11 CGGGGGGATGAGCCTGAGTCAAGGAATGTGGGCTTCCATTCATTTGGCTGTAAGCC 70
Db 6718 CAGGGGATGAGCCTGAGTCAAGGAATGTGGGCTTCCATTCATTTGGCTGTAAGCC 6777
Qy 71 AGTGGTTTGCAAGATAGAGAGGCGAGGGTTGGAGCAAAATTTCCAGTCACTGCTGGCC 130

Db 6778 AGTGGCTTTGCAAGATAGAGAGGCGAGGTTGAGAGCAAAATTCAGAGTCAAGCTGCTGGG 6837
Qy 131 CGTGGCTTCAAGAAATGTTCTGACATGGCAGGCTTTGACCCCTGAGGATGAAAGCACT 190
Db 6838 CGTGGCTTCAAGAAATGTTCTGACATGGCAGGCTTTGACCCCTGAGGATGAAAGCACT 6897
Qy 191 GAAGATGATTAATTCGTCTAATGTAAGAGCTAATGTTTCAATAGCAAGGCTTTCATGTC 250
Db 6898 GAAGATGATTAATTCGTCTAATGTAAGAGCTAATGTTTCAATAGCAAGGCTTTCATGTC 6957
Qy 251 AGGACATGGGCGAGACTTCTGGGAGCAAGTCACTAGTCTCTGAGCCTGAATATCTCA 310
Db 6958 AGGACATGGGCGAGACTTCTGGGAGCAAGTCACTAGTCTCTGAGCCTGAATATCTCA 7017
Qy 311 TCTGTAAATGAGATTAAGGTAATTAATTAATCCACATACAGGGCTAATTTGAGAACTA 370
Db 7018 TCTGTAAATGAGATTAAGGTAATTAATTAATCCACATACAGGGCTAATTTGAGAACTA 7077
Qy 371 AATCAGAGAGTCCATTTGGGCGAGCTCAAGAGGTATGAAATTTCTGCTCCAGAGGTA 430
Db 7078 AATCAGAGAGTCCATTTGGGCGAGCTCAAGAGGTATGAAATTTCTGCTCCAGAGGTA 7137
Qy 431 AGCAAGCAGATGAGATGTCCTCCATGGGTAGGATGTCATAGACAAACAAGCACTAAGCC 490
Db 7138 AGCAAGCAGATGAGATGTCCTCCATGGGTAGGATGTCATAGACAAACAAGCACTAAGCC 7197
Qy 491 TGGACAGGGGATGATGAGCTTCCACTGATTAATTTCTCTCATCTGAACTCTAAC 550
Db 7198 TGGACAGGGGATGATGAGCTTCCACTGATTAATTTCTCTCATCTGAACTCTAAC 7257
Qy 551 AAGGGCTTTGATCTTGGCTTTGGSCAAGCAATGCTTCTCTGAGCACTCAAGTCC 610
Db 7258 AAGGGCTTTGATCTTGGCTTTGGSCAAGCAATGCTTCTCTGAGCACTCAAGTCC 7317
Qy 611 CTATGAGAGAGAGATGTTCTAGGACAGAGCAAGAAAGAGCATGACATTTGAGAAA 670
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Qy 671 CGAGCCACAGTGTGTAACAGGGCGATGCTTAATGTCGCCAGAGAAAGCACTTGGGAAA 730
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Qy 731 TGAAGGCTTGGGAAACAACAACCTTGAATCTCTTGAAGACTTTTCTGCTCATTTAG 790
Db 7438 TGAAGGCTTGGGAAACAACAACCTTGAATCTCTTGAAGACTTTTCTGCTCATTTAG 7497
Qy 791 TGGATTAAGGCCCAAGATTCAGTGTGTTTCTGGGGTTTGGGCCCATCAAGAGTCAAG 850
Db 7498 TGGATTAAGGCCCAAGATTCAGTGTGTTTCTGGGGTTTGGGCCCATCAAGAGTCAAG 8557
Qy 851 AATTTGGGCTTTAAGAGGCGCTCCCTGTACTGATGAGGCTTCAAGAGCAAGTCTGAGT 910
Db 7558 AATTTGGGCTTTAAGAGGCGCTCCCTGTACTGATGAGGCTTCAAGAGCAAGTCTGAGT 7617
Qy 911 GACTAGTGAAGAGTGGCTGCTCTAAGTCTTCAATCAATGAGGCGAGCAACAATGATAGTG 970
Db 7618 GACTAGTGAAGAGTGGCTGCTCTAAGTCTTCAATCAATGAGGCGAGCAACAATGATAGTG 7677
Qy 971 TCCAGTGGGCCCATTTGCTTGACAGACATCCCTCTGCTCTGACTTCACTTCCATCT 1030
Db 7678 TCCAGTGGGCCCATTTGCTTGACAGACATCCCTCTGCTCTGACTTCACTTCCATCT 7737
Qy 1031 CCTTCTCCCAACCTGCTCTCATATTTAGGTTCTGCGGCTCTGAACTGTGAATTCAC 1090
Db 7738 CCTTCTCCCAACCTGCTCTCATATTTAGGTTCTGCGGCTCTGAACTGTGAATTCAC 7797
Qy 1091 AAATGACCAATTCCTCTATCCCATCTCAATGCTTTTGGCTCTCCCTGTTACCTG 1150
Db 7798 AAATGACCAATTCCTCTATCCCATCTCAATGCTTTTGGCTCTCCCTGTTACCTG 7857
Qy 1151 GGATGGCTTCACTGCTTACTGACTTGAACAACTCTCAACCAAGTTTCAAAATTCATAC 1210

Db 7858 GGATGGCTTCACTGCTTACTGACTTGAACAACTCTCAACCAAGTTTCAAAATTCATAC 7917
Qy 1211 CACTGTGAATCTTCTCCCTGACTTCAACCAAGAGCTCAATAGACCTTCTTCTGCTCC 1270
Db 7918 CACTGTGAATCTTCTCCCTGACTTCAACCAAGAGCTCAATAGACCTTCTTCTGCTCC 7977
Qy 1271 CCGTCACTGTGATCATACCTCTGCTGATCTTATCATATTAAGTAAATTAACGTGG 1330
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Db 8038 ATATGTGTGTGTTTACACAAGACCAAGAAATCTCATGGGCCAAGTCCATGCTTATTA 8097
Qy 1391 CTTTATGTTGAATGCACTTGAATTTGAGAGGTGTTGTAAGTGGCTCATGCTGTA 1450
Db 8098 CTTTATGTTGAATGCACTTGAATTTGAGAGGTGTTGTAAGTGGCTCATGCTGTA 8157
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Db 8338 CACTTGAATCCAGAGGCGAGAGTTCAGTGAATTCGAACTTGAACACTGCACTCCAGCC 8397
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Db 8398 TGGGCAACACTGAGCAAAACTGCTGCTGTAAGAAAAA 8446

RESULT 5
US-09-949-016-14404
; Sequence 14404, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14404
; LENGTH: 20727
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(20727)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14404

Query Match 97.7%; Score 1698.6; DB 4; Length 20727;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 1710; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
Qy 11 CGGGGCGATGACCTGAGGTCAAGGAATGAGGCTCTCCATTCATTTGCTGTAAGCC 70

Db 6718 CAGGGGCAATGACCTGAGGTCAAGGAAAGTGGGCTCTCCATTCATTTGCTGTAAGACC 6777
Qy 71 AGTGGTTTGCAGAGTAGAGGAGGAGGTTGGAGCAAAATTTCCAGGTGAGTGTGGC 130
Db 6778 AGTGGTTTGCAGAGTAGAGGAGGAGGTTGGAGCAAAATTTCCAGGTGAGTGTGGC 6837
Qy 131 GGTGGCCCTCAGAGAAATGCTTCTGACATGAGGAGGCTTGAACCCCTGAGGAGTAGAAGACT 190
Db 6838 GGTGGCCCTCAGAGAAATGCTTCTGACATGAGGAGGCTTGAACCCCTGAGGAGTAGAAGACT 6897
Qy 191 GAAATGATTAATTTCTGATATGAGAGCTATGTTTATGAGCCACAGGGTCTTCAATGC 250
Db 6898 GAAATGATTAATTTCTGATATGAGAGCTATGTTTATGAGCCACAGGGTCTTCAATGC 6957
Qy 251 AGGACATGAGGAGCACTTCTGGGAGCAAGTCACTATCTGTCTGAGCTGAATATCTCA 310
Db 6958 AGGACATGAGGAGCACTTCTGGGAGCAAGTCACTATCTGTCTGAGCTGAATATCTCA 7017
Qy 311 TCTGTAAATGAGATAGTAT 370
Db 7018 TCTGTAAATGAGATAGTAT 7077
Qy 371 AATGAGCAGTCCAAATTTGGGAGGCTCAGAGGTGATGAAATTTCTGTCCAGAGAGTA 430
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Qy 431 AGCAAGCAGATGAGATGCTCCATGGGTAGAGATGTCATAGACAAACAAGACTAAGCCC 490
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Qy 491 TGAACAGGAGATGATAGGCTCCACTGAGATTAATTTCCCTCATCTGAATCTGTAAC 550
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Qy 611 CTATGAGAGAGATGTTCTAGGACAGACAGAAAGAGAGATGACATTTGGAAAA 670
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Qy 671 CGGAGCACAAGTGTGAACAGGGCGATGCTTAATGTGCCCCAGAGAAACCCCTGGGAAA 730
Db 7378 CGGAGCACAAGTGTGAACAGGGCGATGCTTAATGTGCCCCAGAGAAACCCCTGGGAAA 7437
Qy 731 TGAAGGGTAGAGGAGCAACCAACCTGATCTCTTGAAGATCTTTCTGCTCATTGAG 790
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Qy 911 GACTAGTAGAGAGGTGGCTGCTCAAGTCTTCAATCACTGAGCCAGCAAAATGAGAGTG 970
Db 7618 GACTAGTAGAGAGGTGGCTGCTCAAGTCTTCAATCACTGAGCCAGCAAAATGAGAGTG 7677
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Db 7738 CTTTCTCCACACCTGTCTCATTTAGGTTCTGCGGCTCTGAACTGTAAATTTCAAC 7797
Qy 1091 AAATGACACATTTCCCTATCCCATTCATGCTTTTGGCTCTCTCTGTTCCCTTAAAGCTG 1150

Db 7798 AAATGACACATTTCCCTATCCCATCTCATGCTTTTGGCTCTCTGTTCCCTTAAAGCTG 7857
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Db 7858 GATGCGTTCACTTGTCTTATAGTACTTGGCAAACTCTTACCCAGCTTTCAATTTCAATAC 7917
Qy 1211 CACTGTGAATCTTCCCTGATTCACGAGAGCTCAATAGACCTTTCTTCTGCTGCC 1270
Db 7918 CACTGTGAATCTTCCCTGATTCACGAGAGCTCAATAGACCTTTCTTCTGCTGCC 7977
Qy 1271 CTTGATCTGTACATCTTCTGTGTATCTTTATCATATTTGAATATATTAATCTGTG 1330
Db 7978 CTTGATCTGTACATCTTCTGTGTATCTTTATCATATTTGAATATATTAATCTGTG 8037
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Db 8098 CTTGATGTTGAATGACCTAGATTTGAGAAAGTGTGTATAGTGGCTCATGCTGTA 8157
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Qy 1631 CACTGAATCCAGAGAGGAGGAGTTCAGTGAATGAGATTTGACCACTGCACTCAAGCC 1690
Db 8338 CACTGAATCCAGAGAGGAGGAGTTCAGTGAATGAGATTTGACCACTGCACTCAAGCC 8397
Qy 1691 TGGGCAACATGAGCAAAACTGCTGTCTGAAAAAATTTAAAAA 1739
Db 8398 TGGGCAACATGAGCAAAACTGCTGTAAAAAATTTAAAAAAGAGAGA 8446

RESULT 6
US-09-949-016-15291
Sequence 15291, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 15291
LENGTH: 20728
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(20728)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15291
Query Match 97.7%, Score 1698.6; DB 4; Length 20728;

Best Local Similarity 98.9%; Pred. No. 0;
Matches 1710; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

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OY 11 CGGGGCGATGACCTGAGGTCAGAGGAATGAGGCTCTCCAAATCCATTGCTGTAAAGC 70
DB 6718 CAGGGGCGATGACCTGAGGTCAGAGGAATGAGGCTCTCCAAATCCATTGCTGTAAAGC 6777
OY 71 ACTGGGTTTGCAAGGATAGAGGGGCGAGGTTGAGAGCAATTTCCAGAGTCAGGCTGGGC 130
DB 6778 ACTGGGTTTGCAAGGATAGAGGGGCGAGGTTGAGAGCAATTTCCAGAGTCAGGCTGGGC 6837
OY 131 CTTGGCCTCAGAGAAATGTTCTGACATGAGGCGAGGCTTGACCCCTGAGGAGTGAAGACCT 190
DB 6838 CTTGGCCTCAGAGAAATGTTCTGACATGAGGCGAGGCTTGACCCCTGAGGAGTGAAGACCT 6897
OY 191 GAAGATGATTAATTTCTGTAATGAGAGGCTGATGTTTCATAGCCAGAGGCTTCAATGTC 250
DB 6898 GAAGATGATTAATTTCTGTAATGAGAGGCTGATGTTTCATAGCCAGAGGCTTCAATGTC 6957
OY 251 AGGGACATGGGCGAGCTTCTGGGGAGCAATGCTACTATGCTCTGAGGCTGAATATCTCA 310
DB 6958 AGGGACATGGGCGAGCTTCTGGGGAGCAATGCTACTATGCTCTGAGGCTGAATATCTCA 7017
OY 311 TCTGTAAATGAGATTAAGTAAATTAATTAATACCAACATACAGGGCTATTTGAGAACTA 370
DB 7018 TCTGTAAATGAGATTAAGTAAATTAATTAATACCAACATACAGGGCTATTTGAGAACTA 7077
OY 371 AATCAGAGAGTCCAAATTTGGGCGAGGCTCAGAGGATGATTAATTTCTGTCAGAGAGTA 430
DB 7078 AATCAGAGAGTCCAAATTTGGGCGAGGCTCAGAGGATGATTAATTTCTGTCAGAGAGTA 7137
OY 431 AGCAAGCAGATGAGATGTTCCATGGGTAGGATGTCATAGACAAACAAAGCACTAAAGCC 490
DB 7138 AGCAAGCAGATGAGATGTTCCATGGGTAGGATGTCATAGACAAACAAAGCACTAAAGCC 7197
OY 491 TGGACAGGGGATGATGAGCTCTCCCACTGAGATTAATTTCCCTCCATCACTGAACCTAAC 550
DB 7198 TGGACAGGGGATGATGAGCTCTCCCACTGAGATTAATTTCCCTCCATCACTGAACCTAAC 7257
OY 551 AAGGCTCTTGAATCTTTCCTTTGGCAAGCATGCTTTCCTGAGCACTACAGAGTCC 610
DB 7258 AAGGCTCTTGAATCTTTCCTTTGGCAAGCATGCTTTCCTGAGCACTACAGAGTCC 7317
OY 611 CTATGGAAGAGAGATGTTCTTAGGCGAGGACAGAGAGAGATGACATTTGGAAAA 670
DB 7318 CTATGGAAGAGAGATGTTCTTAGGCGAGGACAGAGAGAGATGACATTTGGAAAA 7377
OY 671 CGGAGCCACAGTGTGAACAGGGCGATGCTTAGATGTCAGAGAGAGAGAGAGAGAGAGAG 730
DB 7378 CGGAGCCACAGTGTGAACAGGGCGATGCTTAGATGTCAGAGAGAGAGAGAGAGAGAGAG 7437
OY 731 TGAAGGGATAGAGGACCAACCAACCTTGATCTCTTGAAGACTCTTTCCTGCTCATTTAG 790
DB 7438 TGAAGGGATAGAGGACCAACCAACCTTGATCTCTTGAAGACTCTTTCCTGCTCATTTAG 7497
OY 791 TGGATTAAGGCCCCCAAGATTCAGTGTGTTTCTGAGGGTTTGGGCCCATCAAGAGTCAG 850
DB 7498 TGGATTAAGGCCCCCAAGATTCAGTGTGTTTCTGAGGGTTTGGGCCCATCAAGAGTCAG 7557
OY 851 ATTTTGGGCTTAAAGAGGCTCTCCCTGTAAGCTGATGAGGCTCAAGAGCACTCTCAGT 910
DB 7558 ATTTTGGGCTTAAAGAGGCTCTCCCTGTAAGCTGATGAGGCTCAAGAGCACTCTCAGT 7617
OY 911 GACTAGTAGAGAGAGTGGCTCTCAATCTTTCATCACTGAGCGAGCACAATGATGAGTG 970
DB 7618 GACTAGTAGAGAGAGTGGCTCTCAATCTTTCATCACTGAGCGAGCACAATGATGAGTG 7677
OY 971 TCCAGTGGGCCCCCATTTGCTTGACAGACATCCCTCTGTGCTGACTTTCATTTCCATCT 1030
DB 7678 TCCAGTGGGCCCCCATTTGCTTGACAGACATCCCTCTGTGCTGACTTTCATTTCCATCT 7737
OY 1031 CTTTCTCCACACCTGCTCTCATTTTAGGTTCTGCGGCTCTGAACTGTAAATTCAC 1090
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DB 7738 CCTTCTCCACACCTGCTCTCATTTTAGGTTCTGCGGCTCTGAACTGTAAATTCAC 7797
OY 1091 AATGACCATTTCCCTCTATATCCATCTCCAGTCTTTGCTCTCTGTTCCCTTAGCTG 1150
DB 7798 AATGACCATTTCCCTCTATATCCATCTCCAGTCTTTGCTCTCTGTTCCCTTAGCTG 7857
OY 1151 GGATGGCTTCACTTCTTACGATCTTGAAGAAATCCCTTACCCAGCTTAAATTTATAC 1210
DB 7858 GGATGGCTTCACTTCTTACGATCTTGAAGAAATCCCTTACCCAGCTTAAATTTATAC 7917
OY 1211 CACTGGAATCCCTTCCCTGACTTCAACAAAGAGTCAAGATGAGTCTTCTCTGCTCC 1270
DB 7918 CACTGGAATCCCTTCCCTGACTTCAACAAAGAGTCAAGATGAGTCTTCTCTGCTCC 7977
OY 1271 CCTGATCTGATCATATCTTCTGTATCTTTATCATATTTAGATATAAATCTGTTG 1330
DB 7978 CCTGATCTGATCATATCTTCTGTATCTTTATCATATTTAGATATAAATCTGTTG 8037
OY 1331 ATATGTTGTTTTCACAAAGACCAAGAAATCCCTATGAGGCGCAAGTCCATGCTTATTA 1390
DB 8038 ATATGTTGTTTTCACAAAGACCAAGAAATCCCTATGAGGCGCAAGTCCATGCTTATTA 8097
OY 1391 CTTCAATGTTGATGACCTAGCATTTGAGAGAGTGTGTTAAAGTGCTCATGCTGTA 1450
DB 8098 CTTCAATGTTGATGACCTAGCATTTGAGAGAGTGTGTTAAAGTGCTCATGCTGTA 8157
OY 1451 ATCCCAACAGTTTGGAGGCTGAGGCGGAGATGCTGAGTCAAGAGTTGAAACCA 1510
DB 8158 ATCCCAACAGTTTGGAGGCTGAGGCGGAGATGCTGAGTCAAGAGTTGAAACCA 8217
OY 1511 GCTTGCCCAATATGCGAAACCCCATCTTTATTAATAATACAAATTTAGCCAGTGTGT 1570
DB 8218 GCTTGCCCAATATGCGAAACCCCATCTTTATTAATAATACAAATTTAGCCAGTGTGT 8277
OY 1571 GGTCTATGCTGTATATCCATGCTGTATATCCAGCTTGGAGGCTGAGGAGAGAT 1630
DB 8278 GGTCTATGCTGTATATCCATGCTGTATATCCAGCTTGGAGGCTGAGGAGAGAT 8337
OY 1631 CACTTGAATCCAGAGGAGAGAGGTTGAGTGAATGAGATTTGAGACACTGCACTCCAGCC 1690
DB 8338 CACTTGAATCCAGAGGAGAGAGGTTGAGTGAATGAGATTTGAGACACTGCACTCCAGCC 8397
OY 1691 TGGGCAACACTGAGCAAAATCTGCTGTGAAAAAATTTGAAAAAATTTGAAAAA 1739
DB 8398 TGGGCAACACTGAGCAAAATCTGCTGTGAAAAAATTTGAAAAAATTTGAAAAA 8446

RESULT 7
US-09-949-016-15292
; Sequence 15292, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15292
; LENGTH: 20728
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(20728)
```

OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15292

Query Match 97.7%; Score 1698.6; DB 4; Length 20728;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 1710; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

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QY 11 CGGGGGCATGAGACCTGAGCTCAAGGGAGTGGGGCTCCCAATTCATTTGCTGTAAGCC 70
DB 6718 CAGGGGGCATGAGACCTGAGCTCAAGGGAGTGGGGCTCCCAATTCATTTGCTGTAAGCC 6777
QY 71 AGTGGGTTTGCAGAGATGAGAGGGGCTTGAAGCAATTTCCAGTCACTGCTGGCC 130
DB 6778 AGTGGGTTTGCAGAGATGAGAGGGGCTTGAAGCAATTTCCAGTCACTGCTGGCC 6837
QY 131 CGTGGGCTCAAGGAATGGTTCTGACATGGGAGGCTTGAAGCTGAGGATGAAGAACT 190
DB 6838 CGTGGGCTCAAGGAATGGTTCTGACATGGGAGGCTTGAAGCTGAGGATGAAGAACT 6897
QY 191 GAAGATGATAATCTGCTAATGATGAGAGCTATGTTTCAATGACCAAGGGCTTCATGTC 250
DB 6898 GAAGATGATAATCTGCTAATGATGAGAGCTATGTTTCAATGACCAAGGGCTTCATGTC 6957
QY 251 AGGAGCATGGGAGACCTTCTGGGGAACAATCACTACTGCTCTGAGGCTTGAATTCCTCA 310
DB 6958 AGGAGCATGGGAGACCTTCTGGGGAACAATCACTACTGCTCTGAGGCTTGAATTCCTCA 7017
QY 311 TCTGTAATGAGGATGAGGATTAATTAATATACCAACATGAGGGGCTATGTAAGAACTA 370
DB 7018 TCTGTAATGAGGATGAGGATTAATTAATATACCAACATGAGGGGCTATGTAAGAACTA 7077
QY 371 AATCAAGAGCTGCTCAATTTGGGAGGCTCAGAGGATGAATTTCTGCTCCAGAGGTA 430
DB 7078 AATCAAGAGCTGCTCAATTTGGGAGGCTCAGAGGATGAATTTCTGCTCCAGAGGTA 7137
QY 431 AGCAACAGAGTGAATGTCCTCAATGGGTAGGGATGTCATGAACAACAAGCACTAAGCCC 490
DB 7138 AGCAACAGAGTGAATGTCCTCAATGGGTAGGGATGTCATGAACAACAAGCACTAAGCCC 7197
QY 491 TGGACAGGGGATGATGAGCTCCCACTGAGATTAATTTCCCTCATCACTGAATCTTAAC 550
DB 7198 TGGACAGGGGATGATGAGCTCCCACTGAGATTAATTTCCCTCATCACTGAATCTTAAC 7257
QY 551 AAGGGGCTTGAATCTTGGCTTTGGCAACAAGATGCTTCTCTGAGCACTAACAAGTCC 610
DB 7258 AAGGGGCTTGAATCTTGGCTTTGGCAACAAGATGCTTCTCTGAGCACTAACAAGTCC 7317
QY 611 CTATGAGAGAGAGATGTTCTAGGCGAGAGCAACAAGAGAGATGACATTTGGAAGA 670
DB 7318 CTATGAGAGAGAGATGTTCTAGGCGAGAGCAACAAGAGAGATGACATTTGGAAGA 7377
QY 671 CGGAGCCCAAGTGTGAACAAGGGGATGCTTAATGTTGCCAGAGAAAGCCTGGGAAA 730
DB 7378 CGGAGCCCAAGTGTGAACAAGGGGATGCTTAATGTTGCCAGAGAAAGCCTGGGAAA 7437
QY 731 TGAGGGGTAGGGAACAACAACCTTGATCTCCCTTGAAGCTCTTTGCTCAATGAG 790
DB 7438 TGAGGGGTAGGGAACAACAACCTTGATCTCCCTTGAAGCTCTTTGCTCAATGAG 7497
QY 791 TGGATAAGCCCCCAGAGATTCAGTGTGTTTCTGGGGTTTGGGCCCATCAAGAGTCAG 850
DB 7498 TGGATAAGCCCCCAGAGATTCAGTGTGTTTCTGGGGTTTGGGCCCATCAAGAGTCAG 8557
QY 851 AATTTGGCTTTAAGAGAGCCCTCCCTGTAAGTGGGCTTCAAGAGCAAGTCTCACT 910
DB 7558 AATTTGGCTTTAAGAGAGCCCTCCCTGTAAGTGGGCTTCAAGAGCAAGTCTCACT 9167
QY 911 GACTGAGTGAAGAGTGGCTGCTCAAGTCTTCAATGAGTGGCGCAACAATGATGATG 970
DB 7618 GACTGAGTGAAGAGTGGCTGCTCAAGTCTTCAATGAGTGGCGCAACAATGATGATG 9767
QY 971 TCCAGTGGGCCCCCATGCTTGAAGACATCCCTGCTGCTTGACTTCACTTCATCT 1030
DB 7678 TCCAGTGGGCCCCCATGCTTGAAGACATCCCTGCTGCTTGACTTCACTTCATCT 1037
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DB 7678 TCCAGTGGGCCCCCATGCTTGAAGACATCCCTGCTGCTTGACTTCACTTCATCT 7737
QY 1031 CCTTCCGCCAAGCCGCTCTGATTTAGTTCCCTGGCCCTTGAATCTGTAATTCAC 1090
DB 7738 CCTTCCGCCAAGCCGCTCTGATTTAGTTCCCTGGCCCTTGAATCTGTAATTCAC 7797
QY 1091 AAATGACCAATTCCTCTATCCCATCTCCATGCTTTCCTGCTGCTTCCCTAGCC 1150
DB 7798 AAATGACCAATTCCTCTATCCCATCTCCATGCTTTCCTGCTGCTTCCCTAGCC 7857
QY 1151 GGAATGGCTTCACTGGTTTACTGACTTGAACAACTCTCAACCAAGTTTCAATTCATAC 1210
DB 7858 GGAATGGCTTCACTGGTTTACTGACTTGAACAACTCTCAACCAAGTTTCAATTCATAC 7917
QY 1211 CACTGTAATCCCTCCCTGACTTCAACAAGAGACTCAGATGAGCCTTCTGCTGCC 1270
DB 7918 CACTGTAATCCCTCCCTGACTTCAACAAGAGACTCAGATGAGCCTTCTGCTGCC 7977
QY 1271 CCTGCACTGTAACATCTTCTGCTGATCTTTATCATATTTGAATTAATTAAGTTG 1330
DB 7978 CCTGCACTGTAACATCTTCTGCTGATCTTTATCATATTTGAATTAATTAAGTTG 8037
QY 1331 ATATGTTGTTTACACAAGACCAAGAAATCCATGGGCAAGTCCATGCTTATTTA 1390
DB 8038 ATATGTTGTTTACACAAGACCAAGAAATCCATGGGCAAGTCCATGCTTATTTA 8097
QY 1391 CTTATGTTGAATGCACTTACATTTGAGAAAGTGTGTAAGTGGCTCATGCTGTA 1450
DB 8098 CTTATGTTGAATGCACTTACATTTGAGAAAGTGTGTAAGTGGCTCATGCTGTA 8157
QY 1451 ATCCCAAGGTTTGGGAAGCTGAGGCGGAGATCCGCTTGAAGTCAAGAGTTGAACA 1510
DB 8158 ATCCCAAGGTTTGGGAAGCTGAGGCGGAGATCCGCTTGAAGTCAAGAGTTGAACA 8217
QY 1511 GCTTGGCAATATGAGCAAAACCCATCTTTATTAATAACAGAAATTAAGCAGATGGT 1570
DB 8218 GCTTGGCAATATGAGCAAAACCCATCTTTATTAATAACAGAAATTAAGCAGATGGT 8277
QY 1571 GCTTATGCTGTAATCCCATGCTGTAATCCAGCTTGGAGGCTGAGGCAAGAAAT 1630
DB 8278 GCTTATGCTGTAATCCCATGCTGTAATCCAGCTTGGAGGCTGAGGCAAGAAAT 8337
QY 1631 CACTTGAATCCAGAGGAGAGGTTGAGTGAACAGATTTGAACAACAGTCCAGCC 1690
DB 8338 CACTTGAATCCAGAGGAGAGGTTGAGTGAACAGATTTGAACAACAGTCCAGCC 8397
QY 1691 TGGGCAACACTGAGCAAACTGCTGCTGTAAGAAAAA 1739
DB 8398 TGGGCAACACTGAGCAAACTGCTGCTAAGAAAAA 8446
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RESULT 8
US-09-495-050A-187
; Sequence 187, Application US/09495050A
; Patent No. 6492505
; GENERAL INFORMATION:
; APPLICANT: Roopa, Reddy
; APPLICANT: Guegler, Karl, J.
; APPLICANT: Au-Yang, Janice
; TITLE OR INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATED PF
; FILE REFERENCE: PA-0013 US
; CURRENT APPLICATION NUMBER: US/09/495,050A
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/118,318
; NUMBER OF SEQ ID NOS: 305
; SOFTWARE: PERL Program
; SEQ ID NO 187
; LENGTH: 1249
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature

OTHER INFORMATION: Incyte ID No. 6492505 2085633CB1
US-09-495-050A-187

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Query Match      71.6%; Score 1245.4; DB 4; Length 1249;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1246; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 442 TGAAGTGTCCCATGGGTAGGATGTGATGACAAACAAACACTAGAGCCCTGACAGGGGA 501
DB 1 TGAAGTGTCCCATGGGTAGGATGTGATGACAAACAAACACTAGAGCCCTGACAGGGGA 60
QY 502 TGAAGTGTCCCATGGGTAGGATGTGATGACAAACAAACACTAGAGCCCTGACAGGGGA 561
DB 61 TGAAGTGTCCCATGGGTAGGATGTGATGACAAACAAACACTAGAGCCCTGACAGGGGA 120
QY 562 ATCTGCTCTTGGACACAGCATGCTTCTCTGAGACACTAACAAGTCCCTATGGAAGG 621
DB 121 ATCTGCTCTTGGACACAGCATGCTTCTCTGAGACACTAACAAGTCCCTATGGAAGG 180
QY 622 AGAGTGTCTAGGACGACAGACAAAGAGACATGACATTTGAAAAAGGACCAAG 681
DB 181 AGAGTGTCTAGGACGACAGACAAAGAGACATGACATTTGAAAAAGGACCAAG 240
QY 682 TGTGAACAGGGGATGCTAGATGTGCCAGACAGAAAGCAACCTGGGAATGAGGGTAGG 741
DB 241 TGTGAACAGGGGATGCTAGATGTGCCAGACAGAAAGCAACCTGGGAATGAGGGTAGG 300
QY 742 GAAACAACCAACCTTGATCTCTTGAAAGACTTTTCTGCTCATTAGTGAATAGGCC 801
DB 301 GAAACAACCAACCTTGATCTCTTGAAAGACTTTTCTGCTCATTAGTGAATAGGCC 360
QY 802 CCAGAGATTCAATGCTGTTTCTGGGGTTTGGGCCCATACAGAGTCAATTTTGGGCTT 861
DB 361 CCAGAGATTCAATGCTGTTTCTGGGGTTTGGGCCCATACAGAGTCAATTTTGGGCTT 420
QY 862 TAAAGAGGCGCTCCCTGATCTGATGAGGCTCAAGAGACAGTCTGAGTGAAGTGA 921
DB 421 TAAAGAGGCGCTCCCTGATCTGATGAGGCTCAAGAGACAGTCTGAGTGAAGTGA 480
QY 922 CAGTGGCGCTGCTCAAGTCTTCAATGATGAGCCAGACAAATGATGATGAGTGGCC 981
DB 481 CAGTGGCGCTGCTCAAGTCTTCAATGATGAGCCAGACAAATGATGATGAGTGGCC 540
QY 982 CCATGCTGTGACAGACATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1041
DB 541 CCATGCTGTGACAGACATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
QY 1042 ACCCTGCTCATTTTAAAGGTTCTGAGGCTCTGAAGTCTGAATTCACAAATGACCAT 1101
DB 601 ACCCTGCTCATTTTAAAGGTTCTGAGGCTCTGAAGTCTGAATTCACAAATGACCAT 660
QY 1102 TCCCTGTATCCCATCTCAATGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1161
DB 661 TCCCTGTATCCCATCTCAATGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
QY 1162 CTGCTGTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1221
DB 721 CTGCTGTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
QY 1222 CTGCTGTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1281
DB 781 CTGCTGTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
QY 1282 ACATATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1341
DB 841 ACATATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
QY 1342 TTTAACAAGACCAAGAAATCTCATAGGCGCAAGTCCATGCTTATTTACTTCAAGTTGA 1401
DB 901 TTTAACAAGACCAAGAAATCTCATAGGCGCAAGTCCATGCTTATTTACTTCAAGTTGA 960
QY 1402 ATGCACTAGCATTTGAGAGGTGTTGTAAGTGGCTCATGCTGTATCCCAACAGT 1461
DB 1461 ATGCACTAGCATTTGAGAGGTGTTGTAAGTGGCTCATGCTGTATCCCAACAGT 1461
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DB 961 ATGCACTAGCATTTGAGAGGTGTTGTAAGTGGCTCATGCTGTATCCCAACAGT 1020
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DB 1021 TTTGAGAGCTGAGGCGCGGACATGCTGAGGTCAAGATTGAAACCAAGCTGGCCAT 1080
QY 1522 ATGGCAAAACCCCATCTTTATATAAATACAGAAATTTAGCCAGGTTGGTGGCTCATGCT 1581
DB 1081 ATGGCAAAACCCCATCTTTATATAAATACAGAAATTTAGCCAGGTTGGTGGCTCATGCT 1140
QY 1582 GTAATCCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1641
DB 1141 GTAATCCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
QY 1642 AGGAGCAGAGGTTGCACTGAACTGAGATTGGACCACTGCACTCCAG 1688
DB 1201 AGGAGCAGAGGTTGCACTGAACTGAGATTGGACCACTGCACTCCAG 1247

RESULT 9
US-09-949-016-22336/C
; Sequence 22336, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE. METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22336
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-22336

Query Match      34.5%; Score 600.6; DB 4; Length 601;
Best Local Similarity 99.8%; Pred. No. 3.5e-185;
Matches 600; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 974 AGTGGCCCCCATGTGCTGACAGACATATCCCTGCTGCTGCTGCTGCTGCTGCTGCT 1033
DB 601 AGTGGCCCCCATGTGCTGACAGACATATCCCTGCTGCTGCTGCTGCTGCTGCTGCT 542
QY 1034 TCTCCACACCCCTGCTCATTTTAAAGTTCCTGAGGCTCTGAAGTCTGAATTCACAAA 1093
DB 541 TCTCCACACCCCTGCTCATTTTAAAGTTCCTGAGGCTCTGAAGTCTGAATTCACAAA 482
QY 1094 TGCACATTCCTCTATCCATCTTCATGCTTGTGCTCTGCTGCTGCTGCTGCTGCTGCT 1153
DB 481 TGCACATTCCTCTATCCATCTTCATGCTTGTGCTCTGCTGCTGCTGCTGCTGCTGCT 422
QY 1154 TGCCTTCACTGCTTATCTGACTGCAAAATCTCCATCCAGATTTCAAATTTCAATCAC 1213
DB 421 TGCCTTCACTGCTTATCTGACTGCAAAATCTCCATCCAGATTTCAAATTTCAATCAC 362
QY 1214 TGTGAATCTTCCCTGACTTCAACAAGACTCAGATGAGACTTCTTCTGCTGCCCT 1273
DB 361 TGTGAATCTTCCCTGACTTCAACAAGACTCAGATGAGACTTCTTCTGCTGCCCT 302
QY 1274 GCATCTGACATCTTCTGCTGATCTTATCATATTTGAAGTAAATTAATTAATCTGTTGA 1333
DB 301 GCATCTGACATCTTCTGCTGATCTTATCATATTTGAAGTAAATTAATTAATCTGTTGA 242
QY 1334 TGTGTGTCTTACACAAAGCAAGAAATCTCATAGGCGCAAGTCCATGCTTATTTACTT 1393
DB 242 TGTGTGTCTTACACAAAGCAAGAAATCTCATAGGCGCAAGTCCATGCTTATTTACTT 1393
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Db 241 TGTGGTGTTTTACAAAGACCAAGAAATCTTATGGCCCAAGTCCATGCTTATTACTT 182
Qy 1394 CATGTGAATGACCTAGCATTTGAGAGGTGGTGGTAAAGTGGCTCATGCTGTATC 1453
Db 181 CATGTGAATGACCTAGCATTTGAGAGGTGGTGGTAAAGTGGCTCATGCTGTATC 122
Qy 1454 CCAACAGTTTGGAGGCTGAGGCGGAGATGCTTGAAGTCCAGAGTTTGAACCAAGCC 1513
Db 121 CCAACAGTTTGGAGGCTGAGGCGGAGATGCTTGAAGTCCAGAGTTTGAACCAAGCC 62
Qy 1514 TGGCCAAATATGGCAAAACCCCATCTTTATATAAATAAGAAATTAGCCAGGTGTGTGCC 1573
Db 61 TGGCCAAATATGGCAAAACCCCATCTTTATATAAATAAGAAATTAGCCAGGTGTGTGCC 2
Qy 1574 T 1574
Db 1 T 1
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RESULT 10
US-09-949-016-92741/c
; Sequence 92741, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 92741
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-92741
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Query Match 34.5%; Score 600.6; DB 4; Length 601;
Best Local Similarity 99.8%; Pred. No. 3.5e-185;
Matches 600; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 974 AGTGGGCCCCATTGCTTGAGACACATCCCTGTGCTCTGACTTTCATCTTCCT 1033
Db 601 AGTGGGCCCCATTGCTTGAGACACATCCCTGTGCTCTGACTTTCATCTTCCT 542
Qy 1034 TCTCCACACCCCTGCTCTCATTTTAGTTCCTGCGCTCTGAACTGTGAATTCACAAA 1093
Db 541 TCTCCACACCCCTGCTCTCATTTTAGTTCCTGCGCTCTGAACTGTGAATTCACAAA 482
Qy 1094 TGCACCATTCCTCTATCCCATCTCATGCTTTTGCTCTCTCTGTTAGCTGGGA 1153
Db 481 TGCACCATTCCTCTATCCCATCTCATGCTTTTGCTCTCTCTGTTAGCTGGGA 422
Qy 1154 TGCCTTCACTTGCTTACTGACTTGAAGAACTCTAACCAAGTTTCAATTCATACAC 1213
Db 421 TGCCTTCACTTGCTTACTGACTTGAAGAACTCTAACCAAGTTTCAATTCATACAC 362
Qy 1214 TGTGAATCTTCTGCTGACTTACCAAGAGACTCAATAGACCTTCTCTGCTCCCT 1273
Db 361 TGTGAATCTTCTGCTGACTTACCAAGAGACTCAATAGACCTTCTCTGCTCCCT 302
Qy 1274 GCATCTGACATCTTCTGCTGTATCTTTATCATATTGAAGTAAATAACTGTGATA 1333
Db 301 SCATCTGACATCTTCTGCTGTATCTTTATCATATTGAAGTAAATAACTGTGATA 242
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Qy 1334 TGTGTGTTTACAAAGACCAAGAAATCTCATGGGCCAAGTCCATGCTTATTACTT 1393
Db 241 TGTGGTGTTTTACAAAGACCAAGAAATCTCATGGGCCAAGTCCATGCTTATTACTT 182
Qy 1394 CATGTGAATGACCTAGCATTTGAGAGGTGGTGGTAAAGTGGCTCATGCTGTATC 1453
Db 181 CATGTGAATGACCTAGCATTTGAGAGGTGGTGGTAAAGTGGCTCATGCTGTATC 122
Qy 1454 CCAACAGTTTGGAGGCTGAGGCGGAGATGCTTGAAGTCCAGAGTTTGAACCAAGCC 1513
Db 121 CCAACAGTTTGGAGGCTGAGGCGGAGATGCTTGAAGTCCAGAGTTTGAACCAAGCC 62
Qy 1514 TGGCCAAATATGGCAAAACCCCATCTTTATATAAATAAGAAATTAGCCAGGTGTGTGCC 1573
Db 61 TGGCCAAATATGGCAAAACCCCATCTTTATATAAATAAGAAATTAGCCAGGTGTGTGCC 2
Qy 1574 T 1574
Db 1 T 1
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RESULT 11
US-09-949-016-92755/c
; Sequence 92755, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 92755
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-92755
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Query Match 34.5%; Score 600.6; DB 4; Length 601;
Best Local Similarity 99.8%; Pred. No. 3.5e-185;
Matches 600; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 974 AGTGGGCCCCATTGCTTGAGACACATCCCTGTGCTCTGACTTTCATCTTCCT 1033
Db 601 AGTGGGCCCCATTGCTTGAGACACATCCCTGTGCTCTGACTTTCATCTTCCT 542
Qy 1034 TCTCCACACCCCTGCTCTCATTTTAGTTCCTGCGCTCTGAACTGTGAATTCACAAA 1093
Db 541 TCTCCACACCCCTGCTCTCATTTTAGTTCCTGCGCTCTGAACTGTGAATTCACAAA 482
Qy 1094 TGCACCATTCCTCTATCCCATCTCATGCTTTTGCTCTCTCTGTTAGCTGGGA 1153
Db 481 TGCACCATTCCTCTATCCCATCTCATGCTTTTGCTCTCTCTGTTAGCTGGGA 422
Qy 1154 TGCCTTCACTTGCTTACTGACTTGAAGAACTCTAACCAAGTTTCAATTCATACAC 1213
Db 421 TGCCTTCACTTGCTTACTGACTTGAAGAACTCTAACCAAGTTTCAATTCATACAC 362
Qy 1214 TGTGAATCTTCTGCTGACTTACCAAGAGACTCAATAGACCTTCTCTGCTCCCT 1273
Db 361 TGTGAATCTTCTGCTGACTTACCAAGAGACTCAATAGACCTTCTCTGCTCCCT 302
Qy 1274 GCATCTGACATCTTCTGCTGTATCTTTATCATATTGAAGTAAATAACTGTGATA 1333
Db 301 SCATCTGACATCTTCTGCTGTATCTTTATCATATTGAAGTAAATAACTGTGATA 242
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Db      :|||||
301 SCATGTGACAACTTCTGTCTGTATCTTTATCATATGAAGTAAATAAAGCTGTGADA 242
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Db      241 TGTGGTGTATTACACAGAACCAAGAAATCCATGAGGCGCAAGTCCATGCTTATTACT 182
Qy      1394 CATGTGTAATGCACTAGCATTTTGAAGAGTGTGTGAAGTGGCTCATGCTGTATC 1453
Db      181 CATGTGTAATGCACTAGCATTTTGAAGAGTGTGTGAAGTGGCTCATGCTGTATC 122
Qy      1454 CCAACAGTTTGGAGGCTGAGGCGCGAGATGCTGTGAGTCAAGAGTTTGAACCAACC 1513
Db      121 CCAACAGTTTGGAGGCTGAGGCGCGAGATGCTGTGAGTCAAGAGTTTGAACCAACC 62
Qy      1514 TGGCCAAATATGCAAAACCCCATCTTTATTAATAAATACAGAAATTAGCCAGGTGTGTGGC 1573
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Db      1 T 1
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RESULT 14
US-09-949-016-22337/c
; Sequence 22337, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 22337
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-22337
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Query Match      34.0%; Score 592; DB 4; Length 601;
Best Local Similarity 99.7%; Pred. No. 2,2e-182;
Matches 592; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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Qy      71 AGTGGTTTGCAGAGATAGAGGGCGAGGTTGAGCAAAATTTCCAGGTCAAGTGTGTGGC 130
Db      534 AGTGGTTTGCAGAGATAGAGGGCGAGGTTGAGCAAAATTTCCAGGTCAAGTGTGTGGC 475
Qy      131 CGTGCCCTCAGGAATGTGTTGACATGGGCGAGGCTTGACCCCTGAGGATGAAGACACT 190
Db      474 CGTGCCCTCAGGAATGTGTTGACATGGGCGAGGCTTGACCCCTGAGGATGAAGACACT 415
Qy      191 GAAGATGAATTTCTGCTAATGATAGAGGCTATGTTTCAATAGCCACAGGGTCTTCATGTC 250
Db      414 GAAGATGAATTTCTGCTAATGATAGAGGCTATGTTTCAATAGCCACAGGGTCTTCATGTC 355
Qy      251 AGGGAATGAGGAGAGCTTCTGGGGCAAGTCACTCTCTCTGAGCTGAATATCTCA 310
Db      354 AGGGAATGAGGAGAGCTTCTGGGGCAAGTCACTCTCTCTGAGCTGAATATCTCA 295
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Qy      311 TCTGTAATATGAGATTAAGTATATTAATATCCACATACAGGGCTATTTGAACTA 370
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Qy      371 AATCAGAGAGTCCAAATTTGGGCAAGGCTCAGAGGATGAATTTCTGCTCCAGAGGTA 430
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Qy      431 AGCAACAGAGTGAATGTTCCATGAGGATGAGATGTCATAGCAAAACAGACTTAAGCCC 490
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Qy      491 TGGACAGGGGATGAGATGAGGCTCCCATGAGATTAATTTCCCTCATACCTGAATCTAAC 550
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Qy      551 AAGGGCTTTGATCTTGGCTTTGGCAAGAGATGCTTCTGTAGACACTAC 604
Db      54 AAGGGCTTTGATCTTGGCTTTGGCAAGAGATGCTTCTGTAGACACTAC 1
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RESULT 15
US-09-949-016-92740/c
; Sequence 92740, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 92740
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-92740
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Query Match      34.0%; Score 592; DB 4; Length 601;
Best Local Similarity 99.7%; Pred. No. 2,2e-182;
Matches 592; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Qy      11 CGGGGGCATGACCTGAGGTCAAGGAATGTGGGCTCTCCAAATCCATTGCTGTAAAGCC 70
Db      594 CAGGGGCATGACCTGAGGTCAAGGAATGTGGGCTCTCCAAATCCATTGCTGTAAAGCC 535
Qy      71 AGTGGTTTGCAGAGATAGAGGGCGAGGTTGAGCAAAATTTCCAGGTCAAGTGTGTGGC 130
Db      534 AGTGGTTTGCAGAGATAGAGGGCGAGGTTGAGCAAAATTTCCAGGTCAAGTGTGTGGC 475
Qy      131 CGTGCCCTCAGGAATGTGTTGACATGGGCGAGGCTTGACCCCTGAGGATGAAGACACT 190
Db      474 CGTGCCCTCAGGAATGTGTTGACATGGGCGAGGCTTGACCCCTGAGGATGAAGACACT 415
Qy      191 GAAGATGAATTTCTGCTAATGATAGAGGCTATGTTTCAATAGCCACAGGGTCTTCATGTC 250
Db      414 GAAGATGAATTTCTGCTAATGATAGAGGCTATGTTTCAATAGCCACAGGGTCTTCATGTC 355
Qy      251 AGGGAATGAGGAGAGCTTCTGGGGCAAGTCACTCTCTCTGAGCTGAATATCTCA 310
Db      354 AGGGAATGAGGAGAGCTTCTGGGGCAAGTCACTCTCTCTGAGCTGAATATCTCA 295
Qy      311 TCTGTAATATGAGATTAAGTATATTAATATCCACATACAGGGCTATTTGAACTA 370
Db      294 TCTGTAATATGAGATTAAGTATATTAATATCCACATACAGGGCTATTTGAACTA 235
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Qy      371 AATCAGAGCAGTCCAAATGCGGAGGCTCAGAGGTGATGAAATTTCTGTCGCCAGAGGTA 430
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Db      234 AATCAGAGCAGTCCAAATGCGGAGGCTCAGAGGTGATGAAATTTCTGTCGCCAGAGGTA 175
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Qy      431 AGCAAGCAGAGTGAATGTCCATGGGTAGGATGTCTATAGACAAACAAGCACTAAGCCC 490
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Qy      491 TGGACAGGGGATGATGAGACCTTCCCACTGAGATTATTTCCCTTCATCACTGAACCTTAAC 550
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Db      114 TGGACAGGGGATGATGAGACCTTCCCACTGAGATTATTTCCCTTCATCACTGAACCTTAAC 55
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Mon Feb 7 16:18:46 2005

us-09-864-711-4.rmp

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: February 6, 2005, 20:39:38 ; Search time 961.108 Seconds
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Title: US-09-864-711-4

Perfect score: 1739

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Gapop 10.0 , Gapext 1.0

Searched: 4333806 seqs, 2877871033 residues

Total number of hits satisfying chosen parameters: 8627612

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

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- 2: /cgn2_6/ptodata/2/pubpna/BCT_NEW_PUB.seq:*
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- 19: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 20: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:*
- 21: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 22: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1739	100.0	1739	9	US-09-864-711-4
2	1372	78.9	1420	9	US-09-872-153-9
3	1245.4	71.6	1249	15	US-10-313-542-187
4	402	23.1	402	14	US-10-060-036-3766
5	402	23.1	402	14	US-10-060-036-4049
6	194.2	11.2	174448	13	US-10-087-192-148
7	193.2	11.1	169567	18	US-10-719-993-6774
8	192.6	11.1	2655	13	US-10-027-632-250936
9	192.6	11.1	2655	13	US-10-027-632-250937
10	192.6	11.1	2655	13	US-10-027-632-250938
11	192.6	11.1	2655	13	US-10-027-632-250939

Query Match	Best Local Similarity	100.0%; Score 1739;	DB 9;	Length 1739;				
Matches 1739;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
QY	1	CCCCAGCGGTCGGGGGATGACCTGAGATCAAGGAGATGAGGCTTCATCATTTG	60					
DB	1	CCCCAGCGGTCGGGGGATGACCTGAGATCAAGGAGATGAGGCTTCATCATTTG	60					
QY	61	CTGTAAACCGATGGGTTTGCAGAGATGAGAGGCGGTTGACAAATTTCCAGGTCA	120					
DB	61	CTGTAAACCGATGGGTTTGCAGAGATGAGAGGCGGTTGACAAATTTCCAGGTCA	120					

ALIGNMENTS

RESULT 1

US-09-864-711-4

Sequence 4, Application US/09864711

Patent No. US0002007309A1

GENERAL INFORMATION:

APPLICANT: Walker, Michael G.

APPLICANT: Volkmer, Wayne

APPLICANT: Klingler, Tod M.

TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS

FILE REFERENCE: PB-0008-1 CIP

CURRENT APPLICATION NUMBER: US/09/864,711

CURRENT FILING DATE: 2001-05-23

NUMBER OF SEQ ID NOS: 15

SOFTWARE: PERL Program

SEQ ID NO 4

LENGTH: 1739

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: 888309CB1

US-09-864-711-4

QY 121 GCTGCTGGGCGCTGGGCTCAGGAATGCTTCTGACATGGGCGAGCTTTGACCCCTTGAGGGA 180
DB 121 GCTGCTGGGCGCTGGGCTCAGGAATGCTTCTGACATGGGCGAGCTTTGACCCCTTGAGGGA 180
QY 181 TGAAGACACTGAAAGATGATTAATTCCTGCTAATGTAGAGCTAATGTTTCAATAGCCACAGG 240
DB 181 TGAAGACACTGAAAGATGATTAATTCCTGCTAATGTAGAGCTAATGTTTCAATAGCCACAGG 240
QY 241 TCTTCATGTACAGGACATGGGCGAGCTTCTGGGGAAGTCACTAATGCTTCTGAGCCTG 300
DB 241 TCTTCATGTACAGGACATGGGCGAGCTTCTGGGGAAGTCACTAATGCTTCTGAGCCTG 300
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DB 301 AATATCTCATCTGTAAATAGAGTAAGTAATTAATAATCCACCAATACAGGCTAAT 360
QY 361 GTGGAATCTAATCAGAGCACTCAATTTGGCAGGCTCAGAGGCTGATGAATTTCTGCTC 420
DB 361 GTGGAATCTAATCAGAGCACTCAATTTGGCAGGCTCAGAGGCTGATGAATTTCTGCTC 420
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DB 481 CACTAAGCCTTGACAGAGGATGATGAGCTCCCACTGAGATTAATTTCCCTCATCACT 540
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DB 721 CCTGGGAATGAGGGGTAGGAGAAACAACAACCTGTATCTCCTTGAAGATCTTTCT 780
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DB 781 GCTCATTTGATGATAGAGGCCCAAGATTCAGTGTGTTTCTGGGGTTTGGGCCCATC 840
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DB 841 ACAGAGTCAGATTTTGGGCTTTAAGAGGCGCCCTGTAACCTGTAGTGGGCTTCAAGAC 900
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QY 1561 CAGGTGTGTGCTCATGCTGTATATCCCATGCTGTATATCCAGCCTTGGAGGCTGAG 1620
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DB 1681 CACTCAGCCTGGGCAACACTGACCAAACTGCTGTGTGTAATTAATTAATTAATTAATTA 1739

RESULT 2
US-09-872-153-9
Sequence 9, Application US/09872153
Patent No. US2002082207A1
GENERAL INFORMATION:
APPLICANT: Hirst, Shannon K.
APPLICANT: Harlocker, Susan L.
APPLICANT: Dillon, David C.
APPLICANT: Kalos, Michael D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
FILE REFERENCE: 210121.531
CURRENT FILING DATE: US/09/872.153
NUMBER OF SEQ ID NOS: 28
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 9
LENGTH: 1420
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(1420)
OTHER INFORMATION: n = A,T,C or G
US-09-872-153-9

Query Match 78.9%; Score 1372; DB 9; Length 1420;
Best Local Similarity 96.6%; Pred. No. 0;
Matches 1372; Conservative 0; Mismatches 48; Indels 0; Gaps 0;
QY 13 GGGGCAATGACCTGAGGTCAAGGGAATGTGGGCTCTCAATCAATTTGCTGTAAGCAG 72
DB 1 GGGGCAATGACCTGAGGTCAAGGGAATGTGGGCTCTCAATCAATTTGCTGTAAGCAG 60
QY 73 TGGGTTTGAAGATGTGAGGCGCAGGCTTGAAGCAATTTCCAGTCAAGTCTGCTGGCG 132
DB 61 TGGGTTTGAAGATGTGAGGCGCAGGCTTGAAGCAATTTCCAGTCAAGTCTGCTGGCG 120

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253 GGAATGAGGAGGCTTCTGAGGAGCAAGCTATCTGTCTCTGAGGCTGATATCTCATC 312
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301 NNN 360
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493 GACAGGAGTGAATGAGGCTCCCACTGAGATTAATTTCCCTCCATGCTGAATCTTAACA 552
481 GACAGGAGTGAATGAGGCTCCCACTGAGATTAATTTCCCTCCATGCTGAATCTTAACA 540
553 GGGCTTTGATCTTGGCTTTGGGCAAGGATGCTTCTCTGAGCAGCTAACAAGTCCCT 612
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973 CAGTGGGCCCCATGCTTGAAGCAACATCCCTGCTGCTGATCTTCACTTCACTTCC 1032
961 CAGTGGGCCCCATGCTTGAAGCAACATCCCTGCTGCTGATCTTCACTTCACTTCC 1020
1033 TTTCTCCCAACCTGCTGCTCAATTTAAGTTCTGAGGCTTGAAGCTTGAATTTCCACA 1092
1021 TTTCTCCCAACCTGCTGCTCAATTTAAGTTCTGAGGCTTGAAGCTTGAATTTCCACA 1080
1093 ATGACACATTTCCCTATCTCCATCTGATGCTTGGCTCTCTGTTCCCTTAGGCTGGG 1152
1081 ATGACACATTTCCCTATCTCCATCTGATGCTTGGCTCTCTGTTCCCTTAGGCTGGG 1140
1153 ATGCGTTCACTGCTTACTGATCTGACAAACCTCTTACCAGCTTCAATTTCAATCA 1212
1141 ATGCGTTCACTGCTTACTGATCTGACAAACCTCTTACCAGCTTCAATTTCAATCA 1200

1213 CTGTAATCTTCCCTGACTTCAACCAAGAGCTCAGATGAGCTTCTCTGCTCCCC 1272
1201 CTGTAATCTTCCCTGACTTCAACCAAGAGCTCAGATGAGCTTCTCTGCTCCCC 1260
1273 TGCATCTGACATCTTCTGCTGATCTTATCATTTAATTAAGTAAATTAATTAATTAAT 1332
1261 TGCATCTGACATCTTCTGCTGATCTTATCATTTAATTAAGTAAATTAATTAATTAAT 1320
1333 ATGTTGTTGTTTACCAAGACCAAGAAATCTCATGAGGCAAGTCCATGCTTATTAAT 1392
1321 ATGTTGTTGTTTACCAAGACCAAGAAATCTCATGAGGCAAGTCCATGCTTATTAAT 1380
1393 TCATGTTGAATGACATGACCTTGAAGAGGTTGGTA 1432
1381 TCATGTTGAATGACATGACCTTGAAGAGGTTGGTA 1420

RESULT 3
US-10-313-542-187
; Sequence 187, Application US/10313542
; Publication No. US20030120057A1
; GENERAL INFORMATION:
; APPLICANT: Roopa, Reddy
; APPLICANT: Guejler, Karl, J.
; APPLICANT: Au-Young, Janice
; TITLE OF INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATED P
; FILE REFERENCE: PA-0013 US
; CURRENT APPLICATION NUMBER: US/10/313,542
; PRIOR FILING DATE: 2002-12-05
; PRIOR APPLICATION NUMBER: US/09/495,050
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/118,318
; NUMBER OF SEQ ID NOS: 305
; SOFTWARE: PERL Program
; SEQ ID NO 187
; LENGTH: 1249
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Inbyte ID No. US20030120057A1 2085633CB1
US-10-313-542-187

Query Match 71.6%; Score 1245.4; DB 15; Length 1249;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1246; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

442 TGAATGTTCCATGAGGATGAGGATGTCATAGACAAACAGCACTAAGCCCTGACAGGGGA 501
1 TGAATGTTCCATGAGGATGAGGATGTCATAGACAAACAGCACTAAGCCCTGACAGGGGA 60
502 TGAATGAGCTTCCCACTGAGATTAATTTCCCTCCATCACTGAACTTAACAAGGCTTTG 561
61 TGAATGAGCTTCCCACTGAGATTAATTTCCCTCCATCACTGAACTTAACAAGGCTTTG 120
562 ATCTTGCTTTGCAACAAGATGCTTCTCTGAGCAGCTAACAAGTCCCTATGGAAGAG 621
121 ATCTTGCTTTGCAACAAGATGCTTCTCTGAGCAGCTAACAAGTCCCTATGGAAGAG 180
622 AGAGTGTCTAGGAGCAGAGACAGAGAGAGAGATGACATTTGAAAAAGAGCAGCAG 681
181 AGAGTGTCTAGGAGCAGAGACAGAGAGAGAGATGACATTTGAAAAAGAGCAGCAG 240
682 TGTGAACAGGGGATGCTTAAGTGTGAGCAGAGAGAGAGAGAGAGAGAGAGAGAGAG 741
241 TGTGAACAGGGGATGCTTAAGTGTGAGCAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
742 GAAACACCAACAACCTTATCTCTTGAAGACTTTTGTGCTCATTTGATGATGAAGGCC 801
301 GAAACACCAACAACCTTATCTCTTGAAGACTTTTGTGCTCATTTGATGATGAAGGCC 360
802 CCAAGATTCAGTGTGTTTCTGAGGCTTGGGCCCATCAAGAGTCAAGATTTTGGGCTT 861

```
Db      361 CCAGAGATTCAGTGTGTTCTGGGGTTTGGCCCATCAAGATCGATTTTGGGCTT 420
Qy      862 TAAGAGGCGCTCCCTGTACCTGAGTGGCTCAAGACAGTCTCAGCTGAGTAG 921
Db      421 TAAGAGGCGCTCCCTGTACCTGAGTGGCTCAAGACAGTCTCAGCTGAGTAG 480
Qy      922 CAGGTGGCGCTCCCTGTACCTGAGTGGCTCAAGACAGTCTCAGCTGAGTAG 981
Db      481 CAGGTGGCGCTCCCTGTACCTGAGTGGCTCAAGACAGTCTCAGCTGAGTAG 540
Qy      982 CCATTGCTTGAGACAGATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1041
Db      541 CCATTGCTTGAGACAGATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
Qy      1042 ACCGTGCTCATTTTGGTTCTGCGCGCTGTAACCTGTAATTCACAAATGCACAT 1101
Db      601 ACCGTGCTCATTTTGGTTCTGCGCGCTGTAACCTGTAATTCACAAATGCACAT 660
Qy      1102 TCCCTCATCCCATCTCATGCTTTTGCTCTCTGTTCCCTTACCTGGGATGCGTTCA 1161
Db      661 TCCCTCATCCCATCTCATGCTTTTGCTCTCTGTTCCCTTACCTGGGATGCGTTCA 720
Qy      1162 CTGCTTTACTGACTTGCAAACTCTCAACCGCTTCAAAATTCATACCACTGTGATC 1221
Db      721 CTGCTTTACTGACTTGCAAACTCTCAACCGCTTCAAAATTCATACCACTGTGATC 780
Qy      1222 CTGCTTTACTGACTTGCAAACTCTCAACCGCTTCAAAATTCATACCACTGTGATC 1281
Db      781 CTGCTTTACTGACTTGCAAACTCTCAACCGCTTCAAAATTCATACCACTGTGATC 840
Qy      1282 ACATACCTTCTGTGTATCTTTATCATATTAAGTAAATTAATTAATTAATTAATTA 1341
Db      841 ACATACCTTCTGTGTATCTTTATCATATTAAGTAAATTAATTAATTAATTAATTA 900
Qy      1342 TTATACAGAGACCAAAATCTCTCATAGGCGCAAGTCCATGCTTTACTCATGTGA 1401
Db      901 TTATACAGAGACCAAAATCTCTCATAGGCGCAAGTCCATGCTTTACTCATGTGA 960
Qy      1402 ATGCACTTGAAGTGAAGTGTGTGTAAGTGGTCAATGCTGTAATCCCAAGT 1461
Db      961 ATGCACTTGAAGTGAAGTGTGTGTAAGTGGTCAATGCTGTAATCCCAAGT 1020
Qy      1462 TTGGAGGCTGAGGCGCGGAGATCGCTTGAAGTCAAGATTTGAAACAGCCTGCAAT 1521
Db      1021 TTGGAGGCTGAGGCGCGGAGATCGCTTGAAGTCAAGATTTGAAACAGCCTGCAAT 1080
Qy      1522 ATGCAAAACCCCATCTTTATATAAATAAGAAATTAAGCAAGTGTGGTCAATGCT 1581
Db      1081 ATGCAAAACCCCATCTTTATATAAATAAGAAATTAAGCAAGTGTGGTCAATGCT 1140
Qy      1582 GTAATCCCATGCTGTATATCCAGCCTTGGAGGCTGAGGAGAGATCACTTGAATCC 1641
Db      1141 GTAATCCCATGCTGTATATCCAGCCTTGGAGGCTGAGGAGAGATCACTTGAATCC 1200
Qy      1642 AGGAGGAGAGGTTGAGTGAAGTGAATGAGTGAATGAGTGAATGAGTGAATGAGT 1688
Db      1201 AGGAGGAGAGGTTGAGTGAAGTGAATGAGTGAATGAGTGAATGAGTGAATGAGT 1247
```

```
RESULT 4
US-10-060-036-3766/c
; Sequence 3766, Application US/10060036
; Publication No. US20030073144A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Persing, David H.
; APPLICANT: Hepler, William T.
; APPLICANT: Jiang, Yugu
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF PANCREATIC CANCER
```

```
FILE REFERENCE: 210121.566
; CURRENT APPLICATION NUMBER: US/10/060,036
; CURRENT FILING DATE: 2002-01-30
; NUMBER OF SEQ. ID NOS: 4560
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3766
; LENGTH: 402
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-036-3766
```

```
Query Match      23.1%; Score 402; DB 14; Length 402;
Best Local Similarity 100.0%; Pred. No. 5.4e-118;
Matches 402; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      880 ACCTGATGGGCTCCAGAGACGCTCAGCTGAGTGAATGAGTGGCTGCTCAAG 939
Db      402 ACCTGATGGGCTCCAGAGACGCTCAGCTGAGTGAATGAGTGGCTGCTCAAG 939
Qy      940 TCTTCATCAGTGGCCAGACAAATGATGATGATGATGATGATGATGATGATGATGAT 999
Db      342 TCTTCATCAGTGGCCAGACAAATGATGATGATGATGATGATGATGATGATGATGAT 283
Qy      1000 TCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1059
Db      282 TCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 223
Qy      1060 GTTCTGCGGCTCTGTAATCTGTAATCTGTAATCTGTAATCTGTAATCTGTAATCT 1119
Db      222 GTTCTGCGGCTCTGTAATCTGTAATCTGTAATCTGTAATCTGTAATCTGTAATCT 163
Qy      1120 ATGCTTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1179
Db      162 ATGCTTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 103
Qy      1180 AAAAATCTTACCAAGTTCATTAATTCATTAATTCATTAATTCATTAATTCATTAAT 1239
Db      102 AAAAATCTTACCAAGTTCATTAATTCATTAATTCATTAATTCATTAATTCATTAAT 43
Qy      1240 GAGACTCAGATGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1281
Db      42 GAGACTCAGATGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1
```

```
RESULT 5
US-10-060-036-4049/c
; Sequence 4049, Application US/10060036
; Publication No. US20030073144A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Persing, David H.
; APPLICANT: Hepler, William T.
; APPLICANT: Jiang, Yugu
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF PANCREATIC CANCER
; FILE REFERENCE: 210121.566
; CURRENT APPLICATION NUMBER: US/10/060,036
; CURRENT FILING DATE: 2002-01-30
; NUMBER OF SEQ. ID NOS: 4560
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4049
; LENGTH: 402
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-036-4049
```

```
Query Match      23.1%; Score 402; DB 14; Length 402;
Best Local Similarity 100.0%; Pred. No. 5.4e-118;
Matches 402; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy      880 ACCTGATGGGCTCCAGAGACGCTCAGCTGAGTGAATGAGTGGCTGCTCAAG 939
```

```
DB 402 ACCGATGGGCTCCAGAGACAGTCTCACTGATGAGAGAGAGTGGGCTGCTCAAG 343
QY 940 TCTTATCATGAGGCGGACGACAAATGATGATGTCAGTGGGCGCCCATTTGTCAGACACA 999
DB 342 TCTTATCATGAGGCGGACGACAAATGATGATGTCAGTGGGCGCCCATTTGTCAGACACA 283
QY 1000 TCCCTCTGCTGCTGATCTTTCATCTTCTTCTCCACACCTGCTCTCATTTTNG 1059
DB 282 TCCCTCTGCTGCTGATCTTTCATCTTCTTCTCCACACCTGCTCTCATTTTNG 223
QY 1060 GTTCCGAGCGCTCTGAACTCTGAAATTCGCAAAATGACACATTTCCCTATCCCATCTCC 1119
DB 222 GTTCCGAGCGCTCTGAACTCTGAAATTCGCAAAATGACACATTTCCCTATCCCATCTCC 163
QY 1120 ATGCTTTTGGCTCTCTCTGTTCCCTTGAAGCTGGAGATGCTTCACTTGTCTTACTGATTCG 1179
DB 162 ATGCTTTTGGCTCTCTCTGTTCCCTTGAAGCTGGAGATGCTTCACTTGTCTTACTGATTCG 103
QY 1180 AAAATCTCCATCCGACGTTTCAATTTGATACCACTGTGAATCTTCTGCTGACTTACACCA 1239
DB 102 AAAATCTCCATCCGACGTTTCAATTTGATACCACTGTGAATCTTCTGCTGACTTACACCA 43
QY 1240 GAGACTCAGATAGACCTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1281
DB 42 GAGACTCAGATAGACCTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1

RESULT 6
US-10-087-192-148
; Sequence 148, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; FILE OF INVENTION: CANCER
; FILE REFERENCE: 529452000122
; CURRENT APPLICATION NUMBER: US/10/087,192
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 2059
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 148
; LENGTH: 174448
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(174448)
; OTHER INFORMATION: n = A,T,C or G
US-10-087-192-148

Query Match 11.2%; Score 194.2; DB 13; Length 174448;
Best Local Similarity 76.1%; Pred. No. 1.1e-49;
Matches 252; Conservative 0; Mismatches 78; Indels 1; Gaps 1;

QY 1407 CCTACATTTGAGAGGTGCTGTTAAATGCTCATGCTGTAATCCCAACAGTTTGGG 1466
DB 135337 CTTAAACCTTAAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 135396
QY 1467 AGGCTGAGGCGGACGATGCTTGAAGTTCAGAGTTTGAACAGGCTGGCCATATGAGC 1526
DB 135397 AGGCTGAGGCGGACGATGCTTGAAGTTCAGAGTTTGAACAGGCTGGCCATATGAGC 135456
QY 1527 AAAACCCCATCTTTTATATAATACAGAAATTAAGCAGGTGTGTGTGCTCATGCTGTAT 1586
DB 135457 GAAACCCCATCTCTCTCAAAAATACAGAAATTAAGCAGGTGTGTGTGCTCATGCTGTAT 135516
QY 1587 CCAAC-TGCTGTATATCCGAGCTTGGAGGCTGAGGACAGAAATATCATTTGAATCCAGAA 1645
```

```
DB 135517 CCCACTACTACGAGAGCGCAAGGTGGAAGCTGAGGACGAGAAATCATTTGAAGCAGAA 135576
QY 1646 GGCAGAGGTTCAGTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1705
DB 135577 GGTGAGAGGTTCAGTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 135636
QY 1706 AAAATCTGCTGTCTGTAATAAAAAAAAAAAAAA 1736
DB 135637 GACTCTGTCTCAAAAAACAGCAACAAACAAA 135667

RESULT 7
US-10-719-993-6774
; Sequence 6774, Application US/10719993
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: CARILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6774
; LENGTH: 169567
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(169567)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-
US-10-719-993-6774

Query Match 11.1%; Score 193.2; DB 18; Length 169567;
Best Local Similarity 77.6%; Pred. No. 2.2e-49;
Matches 250; Conservative 1; Mismatches 59; Indels 12; Gaps 1;

QY 1418 AGAAGGTGTTGGTAAAGTGTCTCATGCTGTAATCCCAACAGTTTGGAGGCTGAGGCC 1477
DB 137269 AGAAGTTCGCGGACGAGTGTCTCATGCTGTAATCCCAACAGTTTGGAGGCTGAGGCC 137328
QY 1478 GGCAGATGCTTGAAGTCAAGAGTTTGAACAGGCTGGCCAAATATGCAAAACCCATC 1537
DB 137329 GCGGATGATCCTGAGGTGCGGAGTTTGAACAGGCTGGCCAAATATGCTGAACCCCATC 137388
QY 1538 TTTATATAATACAGAAATTAAGCCAGGTGTGTGTCTCATGCTGTAATCCCAACAGTTTGG 1597
DB 137389 TCTACTATAAATATACAAATTAAGCCAGGTGTGTGTCTCATGCTGTAATCCCAACAGTTTGG 137446
QY 1598 AATCCAGCTTGGAGGCTGAGGACAGAGATCACTGTAATCCAGAGGACAGAGTTGC 1657
DB 137447 -----TCGGAGGCTGAGGACAGAGATCACTGTAATCCAGAGGACAGAGTTGC 137496
QY 1658 AGTGAATGAGATGAGACCACTGCACTCCAGCTTGGGCAACAACATGAGCAAAATGCTGT 1717
DB 137497 AGTGAATGAGATGAGACCACTGCACTCCAGCTTGGGCAACAACATGAGCAAAATGCTGT 137556
QY 1718 CCGTGAATAAAAAAAAAAAAAA 1739
DB 137557 AAAAAAAAAAAAAAAAAAAAAA 137578

RESULT 8
US-10-027-632-250936/C
; Sequence 250936, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
```

```

; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250936
; LENGTH: 2655
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-250936
```

```

Query Match      11.1%; Score 192.6; DB 13; Length 2655;
Best Local Similarity 79.4%; Pred. No. 3.2e-50;
Matches 258; Conservative 0; Mismatches 54; Indels 13; Gaps 2;
```

```

QY 1416 TGAGAGGCTGGTGTGAAGTCTCATGCTGTATATCCCAACAGTTTGGAGGCTGAGG 1475
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1934 TGTAAAGAGCTGGGCAAGTGGCTTACGCTGTATATCCCAACAGTTTGGAGGCTGAGG 1875
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1476 CCGGAGATCGCTTGAAGTCAAGATTGAAACAGGCTGGCCAAATATGCAAAACCCCA 1535
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1874 CAGGAGATCCCTTGGCGGTGAGAGTTTGACCAAGCTGCCAATATGTAAACCCCA 1815
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1536 TCTTTA-TAAATAACAAATTAAGCCAGGTGTGTGTCTCATGCTGTATATCCCATGCC 1594
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1814 TCTCTACTAAATAATACAAATTAAGCCAGGTGTGTGTCTCATGCTGTATATCCCATGCC 1762
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1595 TGTAAATCCAGCTTGGAGGCTGAGGAGGAGATCACTGTAATCCAGAGCCAGAGGT 1654
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1761 -----TTAGTACTCAGGAAGCTGATGCAAGAAATGGCTTGAACCCAGAGGCAAGGT 1707
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1655 TGCAGTGAAGTGAATGATGACCACTGCACTCCAGCTGGGCAACACTGAGCAAACTGCC 1714
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1706 TGCAGTGAAGTGAATGATGACCACTGCACTCCAGCTGGGCAACACTGAGCAAACTGCC 1647
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1715 TGTCTGTAATAAAAAAAAAAAAAA 1739
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1646 CCAAAAAAAAAAAAAAAAAAAAAA 1622
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

```

RESULT 9
US-10-027-632-250937/c
; Sequence 250937, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
```

```

; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250937
; LENGTH: 2655
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-250937
```

```

Query Match      11.1%; Score 192.6; DB 13; Length 2655;
Best Local Similarity 79.4%; Pred. No. 3.2e-50;
Matches 258; Conservative 0; Mismatches 54; Indels 13; Gaps 2;
```

```

QY 1416 TGAGAGGCTGGTGTGAAGTCTCATGCTGTATATCCCAACAGTTTGGAGGCTGAGG 1475
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1934 TGTAAAGAGCTGGGCAAGTGGCTTACGCTGTATATCCCAACAGTTTGGAGGCTGAGG 1875
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1476 CCGGAGATCGCTTGAAGTCAAGATTGAAACAGGCTGGCCAAATATGCAAAACCCCA 1535
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1874 CAGGAGATCCCTTGGCGGTGAGAGTTTGACCAAGCTGCCAATATGTAAACCCCA 1815
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1536 TCTTTA-TAAATAACAAATTAAGCCAGGTGTGTGTCTCATGCTGTATATCCCATGCC 1594
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1814 TCTCTACTAAATAATACAAATTAAGCCAGGTGTGTGTCTCATGCTGTATATCCCATGCC 1762
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1595 TGTAAATCCAGCTTGGAGGCTGAGGAGGAGATCACTGTAATCCAGAGCCAGAGGT 1654
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1761 -----TTAGTACTCAGGAAGCTGATGCAAGAAATGGCTTGAACCCAGAGGCAAGGT 1707
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1655 TGCAGTGAAGTGAATGATGACCACTGCACTCCAGCTGGGCAACACTGAGCAAACTGCC 1714
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1706 TGCAGTGAAGTGAATGATGACCACTGCACTCCAGCTGGGCAACACTGAGCAAACTGCC 1647
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1715 TGTCTGTAATAAAAAAAAAAAAAA 1739
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1646 CCAAAAAAAAAAAAAAAAAAAAAA 1622
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

```

RESULT 10
US-10-027-632-250938/c
; Sequence 250938, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250938
; LENGTH: 2655
; TYPE: DNA
; ORGANISM: Human
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PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 250939
LENGTH: 2655
TYPE: DNA
ORGANISM: Human
US-10-027-632-250939

Query Match 11.1%; Score 192.6; DB 17; Length 2655;

Best Local Similarity 79.4%; Pred. No. 3.2e-50;
Matches 258; Conservative 0; Mismatches 54; Indels 13; Gaps 2;

QY 1416 TGAGAAAGTGTGTGTAAGTGGCTCATGCTGTATCCCAACAGTTGGAGGCTGAGG 1475
DB 1934 TGTTAAGAGGCTGGGCAAGTGGCTTAACGCTGTATCCAGCACTTGGAGGCTGAGG 1875
QY 1476 CCGGAGATCGCTTGAGGTCAAGAGTTTAAACCAAGCTGGCCATATGCAAAACCCCA 1535
DB 1874 CAGGAGATCCCTTGGCGTCAAGAGTTTGACACAGACTGGCCATATGTAAACCCCA 1815
QY 1536 TCTTTR-TAAATACAAATTAAGCCAGGTGTGGCTCATGCTGTATCCCATGCC 1594
DB 1814 TCTTACTTAAATACAAATTAAGCCAGGTGTGGCTCATGCTGTATCCCATGCC 1762
QY 1595 TGTAAATCCAGCTTGAGGCTGAGGCAAGAAATCACTGAATCAGAGGCAAGGT 1654
DB 1761 -----TTACTACTCAGAACTGATGCAAGAAATGCTTGAACCAAGAGGCAAGGT 1707
QY 1655 TGCAGTGAACAGATTGAGCACTGCACTCCAGCTGGGCAACACTGAGCAAACTGCC 1714
DB 1706 TGCAGTGAAGCTGAGATTGTACCACTGCAAGCCAGCTGGGCAACACAGGAGACTTTGTC 1647
QY 1715 TGTCTGAAAAA 1739
DB 1646 CCAAAAAAAAAAAAAAAAAAAAAA 1622

Search completed: February 7, 2005, 03:35:22
Job time : 966.108 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: February 6, 2005, 18:40:00 ; Search time 229.101 Seconds
(without alignments)
9670.472 Million cell updates/sec

Title: US-09-864-711-8

Perfect score: 1354
Sequence: 1 ggtgagccctctgctgcgcac.....atagtcacgtcttcctcc 1354

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*

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- 2: /cgn2_6/prodata/1/ina/5B_COMB.seq:*
- 3: /cgn2_6/prodata/1/ina/6A_COMB.seq:*
- 4: /cgn2_6/prodata/1/ina/6B_COMB.seq:*
- 5: /cgn2_6/prodata/1/ina/PTUS_COMB.seq:*
- 6: /cgn2_6/prodata/1/ina/backfillseq1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1354	100.0	1354	US-09-610-906-2	Sequence 2, Appl
2	1213.6	89.6	1312	US-09-610-906-5	Sequence 3, Appl
3	1213.6	89.6	1312	US-09-976-594-346	Sequence 346, App
4	473.8	35.0	562	US-09-610-906-6	Sequence 6, Appl
5	261	19.3	274	US-09-610-906-4	Sequence 4, Appl
6	251.4	18.6	620	US-09-610-906-7	Sequence 7, Appl
7	233	17.2	233	US-09-610-906-8	Sequence 8, Appl
8	183.2	13.5	279	US-09-610-906-3	Sequence 3, Appl
9	134.4	9.9	325	US-09-610-906-10	Sequence 10, Appl
10	114.2	8.4	159	US-09-610-906-9	Sequence 9, Appl
11	109.4	8.1	1193	US-09-372-422A-23	Sequence 23, Appl
12	107.6	7.9	1158	US-09-372-422A-21	Sequence 21, Appl
13	105.4	7.8	1153	US-09-372-448A-5	Sequence 5, Appl
14	100	7.4	1015	US-09-372-422A-31	Sequence 31, Appl
15	99.6	7.4	1081	US-09-372-422A-33	Sequence 33, Appl
16	97.8	7.2	1408	US-08-447-554-3	Sequence 3, Appl
17	97.8	7.2	1408	US-08-448-160-3	Sequence 3, Appl
18	94.2	7.0	1100	US-09-372-422A-47	Sequence 47, Appl
19	91	6.7	1320	US-09-949-016-2223	Sequence 2223, Ap
20	81.4	6.0	1352	US-09-949-016-130	Sequence 1320, Ap
21	75.2	5.6	1087	US-09-372-422A-29	Sequence 29, Appl
22	74.2	5.5	96	US-09-610-906-11	Sequence 11, Appl
23	72.8	5.4	1176	US-09-372-422A-25	Sequence 25, Appl
24	72.4	5.4	1302	US-09-372-422A-27	Sequence 27, Appl
25	71.6	5.3	1485	US-09-372-422A-39	Sequence 39, Appl
26	71.6	5.3	1375	US-09-372-422A-37	Sequence 37, Appl
27	70.8	5.2	882	US-09-949-016-2156	Sequence 2156, Ap

28	70	5.2	1340	1	US-08-468-763-16	Sequence 16, Appl
29	70	5.2	1340	2	US-08-393-996A-16	Sequence 16, Appl
30	70	5.2	1662	4	US-09-949-016-63	Sequence 63, Appl
31	70	5.2	1663	4	US-09-949-016-460	Sequence 460, Ap
32	70	5.2	2735	4	US-09-949-016-2446	Sequence 2446, Ap
33	69.2	5.1	1116	3	US-09-372-422A-41	Sequence 41, Appl
34	67.2	5.0	938	3	US-08-654-025-1	Sequence 1, Appl
35	67.2	5.0	938	3	US-08-654-025-3	Sequence 3, Appl
36	61	4.5	1442	1	US-08-468-763-18	Sequence 18, Appl
37	61	4.5	1442	2	US-08-393-996A-18	Sequence 18, Appl
38	59.2	4.4	1333	3	US-09-372-422A-9	Sequence 9, Appl
39	58.6	4.3	3426	1	US-08-234-939-1	Sequence 1, Appl
40	58.6	4.3	3426	1	US-08-558-865-1	Sequence 1, Appl
41	58.6	4.3	3426	3	US-08-654-025-6	Sequence 6, Appl
42	57.4	4.2	7679	4	US-09-949-016-13965	Sequence 13965, A
43	55.4	4.1	1431	4	US-09-949-016-4277	Sequence 4277, Ap
44	55.4	4.1	1431	4	US-09-949-016-4278	Sequence 4278, Ap
45	50.8	3.8	1454	3	US-09-372-422A-19	Sequence 19, Appl

ALIGNMENTS

RESULT 1
US-09-610-906-2

Sequence 2, Application US/09610906
Patent No. 6566066
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Volkmueth, Wayne
APPLICANT: Klinger, Rod M.
TITLE OF INVENTION: ADAPTORIN-8 VARIANT
FILE REFERENCE: PC-0012 CIP
CURRENT APPLICATION NUMBER: US/09/610,906
PRIOR FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 09/226,994
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PERL Program
SEQ ID NO 2
LENGTH: 1354
TYPE: DNA
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6566066 2774542CB1
PUBLICATION INFORMATION:
US-09-610-906-2

Query Match 100.0%; Score 1354; DB 4; Length 1354;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1354; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	GGTGAAGCCCTGTGGGATCTTCTTCACAGCTGGACAGAGGGGGCTGGAAAT	60
DB	1	GGTGAAGCCCTGTGGGATCTTCTTCACAGCTGGACAGAGGGGGCTGGAAAT	60
QY	61	AATTCAGAGTTGGGGATCGGGCTTTATATCTGAGCTTGCCTCCACCGCTGCTCT	120
DB	61	AATTCAGAGTTGGGGATCGGGCTTTATATCTGAGCTTGCCTCCACCGCTGCTCT	120
QY	121	GTTCCTTTTCTTCCATGCGGATATGAGTGTGAGCTGGAATTTGGCAATGACAGGCC	180
DB	121	GTTCCTTTTCTTCCATGCGGATATGAGTGTGAGCTGGAATTTGGCAATGACAGGCC	180
QY	181	AGGAGAGCGAGGTGGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAG	240
DB	181	AGGAGAGCGAGGTGGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAG	240
QY	241	TGTCGTGTCGATCTGCTGCTGCTCTTCATCTTCATCTTCATCTTCATCTTCATCTTC	300
DB	241	TGTCGTGTCGATCTGCTGCTGCTCTTCATCTTCATCTTCATCTTCATCTTCATCTTC	300

QY 782 CGGTGGTGGCCAAACCACTGGAATTCTCCATGATCTACTGGGCGCACTCTCTGGCTG 841
DB 745 CGGTGGTGGCCAAACCACTGGAATTCTCCATGATCTACTGGGCGCACTCTCTGGCTG 804
QY 842 GCTGTGTTTGGAGTCTCATTTAGTGTCTTCTTGGAGTGGAGAGACCCGCTCATCC 901
DB 805 GCTGTGTTTGGAGTCTCATTTAGTGTCTTCTTGGAGTGGAGAGACCCGCTCATCC 864
QY 902 TGAAGGCTCGTGAAGCAGAGCTCGTGGATTCCTGCTGCTCCAGGTGCTTCACTCAG 961
DB 865 TGAAGGCTCGTGAAGCAGAGCTCGTGGATTCCTGCTGCTCCAGGTGCTTCACTCAG 924
QY 962 CTGTCCCACTGAGGACAGGGAGTTCCTGCACTTCCGCGAGGCGAGAGGCCAGAG 1021
DB 925 CTGTCCCACTGAGGACAGGGAGTTCCTGCACTTCCGCGAGGCGAGAGGCCAGAG 984
QY 1022 AGCGACCCCTGCTTCTCACTGCTTGGGCTGCTTCTCAGATPAGTGACTGCTGAGAG 1081
DB 985 AGCGACCCCTGCTTCTCACTGCTTGGGCTGCTTCTCAGATPAGTGACTGCTGAGAG 1044
QY 1082 GCTTAGGTTCTTGGAAATTCCTTGTGCTCATCAGAGACCCGCTGGGGAACAGCTG 1141
DB 1045 GCTTAGGTTCTTGGAAATTCCTTGTGCTCATCAGAGACCCGCTGGGGAACAGCTG 1104
QY 1142 CCGGCACTGCGCCAGAGAGAGTGCACAAACACACACAGAGGCTTCTTGGAGAGAT 1201
DB 1105 CCGGCACTGCGCCAGAGAGAGTGCACAAACACACACAGAGGCTTCTTGGAGAGAT 1164
QY 1202 GTCCCGAGTTGAGACAGAGAGGCTGTTTGTGCACTCAGTCAATTTCCGCACTG 1261
DB 1165 GTCCCGAGTTGAGACAGAGAGGCTGTTTGTGCACTCAGTCAATTTCCGCACTG 1224
QY 1262 GTTGTGATGCTTGTGTTGGGCGCTGGCCACTTCTTCTGAGCTGACATTTCT 1321
DB 1225 GTTGTGATGCTTGTGTTGGGCGCTGGCCACTTCTTCTGAGCTGACATTTCT 1284
QY 1322 CACTTGGCAATAAATAGTCCAGTGTTC 1349
DB 1285 CACTTGGCAATAAATAGTCCAGTGTTC 1312

RESULT 3
US-09-976-594-346
; Sequence 346, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 346
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. 6673549 1804734CB1
US-09-976-594-346

Query Match 89.6%; Score 1213.6; DB 4; Length 1312;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1219; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 122 TCCCTTTTCCCTACGCGCAGATAGCATGTGAGGCTGAAATTTGGCATGACAGGCCA 181
DB 85 TCCGTATGTCTGAGAGCAGATAGCATGTGAGGCTGAAATTTGGCATGACAGGCCA 144

QY 182 GGGAGCCGAGCGTGGTGGCAGGTGGCAGAGTCTCTGTATCCAGACGGTTTGTGACGCAAT 241
DB 145 GGGAGCCGAGCGTGGTGGCAGGTGGCAGAGTCTCTGTATCCAGACGGTTTGTGACGCAAT 204
QY 242 GTCTGTGGAATCGTGGGCTGCTGCTCTTCAATCTTCAATCGGGTCTGTGGTCAATTG 301
DB 205 GTCTGTGGAATCGTGGGCTGCTGCTCTTCAATCTTCAATCGGGTCTGTGGTCAATTG 264
QY 302 AGAATGGAGCGAGCACTGGGCTGCTGACCGGCGCTGGCCAGCGGCTGCTTGGGCG 361
DB 265 AGAATGGAGCGAGCACTGGGCTGCTGACCGGCGCTGGCCAGCGGCTGCTTGGGCG 324
QY 362 TGTGTATTCCTCAGCTGGGGAATATCAGTGTGTGACACTTCAACCTCGGGTCTCC 421
DB 325 TGTGTATTCCTCAGCTGGGGAATATCAGTGTGTGACACTTCAACCTCGGGTCTCC 384
QY 422 CAGCCATGCTGATCGGAGGCTCAACCTGGTATGCTCTCCGTAATGGGTCTCAAG 481
DB 385 CAGCCATGCTGATCGGAGGCTCAACCTGGTATGCTCTCCGTAATGGGTCTCAAG 444
QY 482 TGTCTGGGGGAGTGTCTGGGGCTGCTTGGCCAGAGCGGTGAGTCTTGAAGAGAGTCT 541
DB 445 TGTCTGGGGGAGTGTCTGGGGCTGCTTGGCCAGAGCGGTGAGTCTTGAAGAGAGTCT 504
QY 542 GGAATGATCTGGGGGCGCTTGTGTGACATCTCAGAGAGAGGCGAGGTGGCAGGGGCT 601
DB 505 GGAATGATCTGGGGGCGCTTGTGTGACATCTCAGAGAGAGGCGAGGTGGCAGGGGCT 564
QY 602 TGTGTGAGAGATTCATCTCAGAGAGGCTGCGGCTGTGATGTCATGAGGTCAGATGA 661
DB 565 TGTGTGAGAGATTCATCTCAGAGAGGCTGCGGCTGTGATGTCATGAGGTCAGATGA 624
QY 662 ATGAGAGACAAAGGCGCTCTGGCCCGCTTCTCAGTCCGCTTGGCCGCTCAGCGTGA 721
DB 625 ATGAGAGACAAAGGCGCTCTGGCCCGCTTCTCAGTCCGCTTGGCCGCTCAGCGTGA 684
QY 722 TCTGTGCTGGGGGCGCTGTGTGTGAGAGGCTGATGATCCGCGCTGCTTGGAGCTG 781
DB 685 TCTGTGCTGGGGGCGCTGTGTGTGAGAGGCTGATGATCCGCGCTGCTTGGAGCTG 744
QY 782 CGGTGGTGGCCAAACCACTGGAATTCTCCATGATCTACTGGGCGCACTCTCTGGCTG 841
DB 745 CGGTGGTGGCCAAACCACTGGAATTCTCCATGATCTACTGGGCGCACTCTCTGGCTG 804
QY 842 GCTGTGTTTGGAGTCTCATTTAGTGTCTTCTTGGAGTGGAGAGACCCGCTCATCC 901
DB 805 GCTGTGTTTGGAGTCTCATTTAGTGTCTTCTTGGAGTGGAGAGACCCGCTCATCC 864
QY 902 TGAAGGCTCGTGAAGCAGAGCTCGTGGATTCCTGCTGCTCCAGATPAGTGACTGCTCAG 961
DB 865 TGAAGGCTCGTGAAGCAGAGCTCGTGGATTCCTGCTGCTCCAGATPAGTGACTGCTCAG 924
QY 962 CTGTCCCACTGAGGACAGGGAGTTCCTGCACTTCCGCGAGGCGAGAGGCCAGAG 1021
DB 925 CTGTCCCACTGAGGACAGGGAGTTCCTGCACTTCCGCGAGGCGAGAGGCCAGAG 984
QY 1022 AGCGACCCCTGCTTCTCACTGCTTGGGCTGCTTCTCAGATPAGTGACTGCTGAGAG 1081
DB 985 AGCGACCCCTGCTTCTCACTGCTTGGGCTGCTTCTCAGATPAGTGACTGCTGAGAG 1044
QY 1082 GCTTAGGTTCTTGGAAATTCCTTGTGCTCATCAGAGACCCGCTGGGGAACAGCTG 1141
DB 1045 GCTTAGGTTCTTGGAAATTCCTTGTGCTCATCAGAGACCCGCTGGGGAACAGCTG 1104
QY 1142 CCGGCACTGCGCCAGAGAGAGTGCACAAACACACACAGAGGCTTCTTGGAGAGAT 1201
DB 1105 CCGGCACTGCGCCAGAGAGAGTGCACAAACACACACAGAGGCTTCTTGGAGAGAT 1164
QY 1202 GTCCCGAGTTGAGACAGAGAGGCTGTTTGTGCACTCAGTCAATTTCCGCACTG 1261
DB 1165 GTCCCGAGTTGAGACAGAGAGGCTGTTTGTGCACTCAGTCAATTTCCGCACTG 1224

Query Match	35.0 %	Score 473.8	DB 4	Length 562
Best Local Similarity	95.4 %	Pred. No. 9,7e-118		
Matches 521	Conservative 0	Mismatches 18	Indels 7	Gaps 3
QY	816	CTACTGGCTGGGCCCA--CTCTGGCTGGCCCTGCTGTGTGG---ACTGCTCATATGAGTGC	870	
Db	546	CTACTGGCTGGGCCCACTCCTGCTGGCTGGCTGCTGTGTGGAACTGCTCATTTAGTGC	487	
QY	871	TTCATTTGGA--GATGGGAAGACCCCTCATCTGAAAGCTTGTAAGCAGAGCTCTGTG	928	
Db	466	TTCATTTGGAAGATGGGAAGAACCCGCTCATCTTAAGCTTCGGTGAACAGAGCTCTGTG	427	
QY	929	GGATTCTGCTGCTCCAGGTGTCTCAAGTCACTGTCCAGACTGAGAGCAGGGGAGTT	988	
Db	426	GGATTCTGCTGCTCCAGGTGTCTCAAGTCACTGTCCAGACTGAGAGCAGGGGAGTT	367	
QY	989	CCTGCAATTCCTGGCCAGGGGAGAGGCCAGAGAGAGACCCCTGCTTCCACTGCTTGGG	1048	
Db	366	CCTGCAATTCCTGGCCAGGGGAGAGGCCAGAGAGAGACCCCTGCTTCCACTGCTTGGG	307	
QY	1049	CCTGCTTTCTCAATAGACTGACTGCTGAGAGAGCTTAAGTCTTGGAAATCTTTGTG	1108	
Db	306	CCTGCTTTCTCAATAGACTGACTGCTGAGAGAGCTTAAGTCTTGGAAATCTTTGTG	247	
QY	1109	CTCATTCAGAGACCCGAGCTGGGGGAAACGCTGCCCGGCACTGCCCAAGAGACATGTGAAA	1168	
Db	246	CTCATTCAGAGACCCGAGCTGGGGGAAACGCTGCCCGCACTGCCCAAGAGACATGTGAAA	187	
QY	1169	CACCAACAACAGAGCGTGTTCCTTGAAGAGATGTCCCGAGTTTGGACAAGAGAGCTGTT	1228	
Db	186	CACCAACAACAGAGCGTGTTCCTTGAAGAGATGTCCCGAGTTTGGACAAGAGAGCTGTT	127	
QY	1229	TCTGCATCATGCTCATTTCCCGGACCCCATTTCTCTGCTGATTTGTTTGGGGGCTT	1288	
Db	126	TCTGCATCATGCTCATTTCCCGGACCCCATTTCTTCTTGATGTCTTGTGGGGGCTT	67	

Query Match	19.3%	Score 261	DB 4	Length 274
Best Local Similarity	99.3%	Pred. No. 1.6e-60		
Matches 272	Conservative 0	Mismatches 1	Indels 1	Gaps 1

QY	15	CGGCATCTTCCTCTCCAGGCTGGCAGACAGAGGGGGCTGTGAATTAATTCAGAGTTGGG	74
DB	1	CGGCATCTTCCTCTCCAGGCTGGCAGACAGAGGGGGCTGTGAATTAATTCAGAGTTGGG	60
QY	75	GGTCGGGGCCCTTCATATCTGGAAGTGTGCTCCACCCGCTGCTCTGCTCCCTTTTCCCT	134
DB	61	GGTCGGGGCCCTTCATATCTGGAAGTGTGCTCCACCCGCTGCTCTGCTCCCTTTTCCCT	120
QY	135	ACGGCAGATAGCCATGTGTGAGCCTGAATTTGGCAATGACAGGCCAGGAGCCGAGCGT	194
DB	121	ACGGCAGATAGCCATGTGTGAGCCTGAATTTGGCAATGACAGGCCAGGAGCCGAGCGT	180
QY	195	GGGTGACAGTGGCAGAGTGTCTGTGTGCAACGGTTTGTGCAGCCATGTCTGTGAACT	254
DB	181	GGGTGACAGTGGCAGAGTGTCTGTGTGCAACGGTTTGTGCAGCCATGTCTGTGAACT	240
QY	255	GGCTGGGCTCTGCTCTTCAATCTTCAATCGGGTG	287
DB	241	GCTGGGCTCTGCTCTTCAATCTTCAATCGGGTG	274

RESULT 6	US-09-610-906-7
/ Sequence 7	Application US/09610906
/ Patent No.	656066
GENERAL INFORMATION:	
/ APPLICANT:	Walker, Michael G.
/ APPLICANT:	Volkmutch, Wayne
/ APPLICANT:	Klinger, Tod M.
TITLE OF INVENTION: AQUAPORIN-8 VARIANT	


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FILE REFERENCE: PC-0012 CIP
CURRENT APPLICATION NUMBER: US/09/610,906
CURRENT FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 09/226,994
PRIOR FILING DATE: 1999-01-07
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PERL Program
SEQ ID NO 7
LENGTH: 620
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6566066 701887401H1
PUBLICATION INFORMATION:
US-09-610-906-7
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Query Match      18.6%; Score 251.4; DB 4; Length 620;
Best Local Similarity 77.8%; Pred. No. 8,6e-58;
Matches 329; Conservative 0; Mismatches 91; Indels 3; Gaps 2;
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QY 580 CAGGGGAGGTGGCAGGGGCGTTGGTGCAGAGATCATCTGACGAGCTGCGCCCTG 639
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DB 57  CAGCAGCAGGTGCGCAGAACCCCGGGGTAGAGATCGTATGACATGCTGTGATTG 116
    |||
QY 640 GCTGATGATGGGTGCGCATCAATGAGAGCAAGAGGCGCTGCGCCCGCTTCATC 699
    |||
DB 117 GCTGATGATGAGGTGCGCATCAATGAGAGCAAGAGGCGCTGCGCCCGCTTCATC 176
    |||
QY 700 GCGTTGCGCGTACCGGTGATATCTGCTGGGCGCCCTGCTGTGAGAGGTGATGAT 759
    |||
DB 177 GGTTCCTGCTGATGTGATATCTGCGCAGAGGTGAGGATCTGTGAGACCTGATGAA 236
    |||
QY 760 CCGGCGCGCTGTTGGAGCTGCGGTGGTGGCCACCACTGGAATTCATGATGATAC 819
    |||
DB 237 CCGTCTCGGCTTGGAGCTGCTGTGATGAGTGGCTGAGCACTTCATGATGATGAT 296
    |||
QY 820 TGGCTGGGCGCACTCGTGGCTGGCCGCTGTTGAGCTGCTCATTAAGGTGCTTATG 879
    |||
DB 297 TGGCTGGGCGCACTCGTGGCTGGCCGCTGTTGAGCTGCTCATTAAGGTGCTTATG 356
    |||
QY 880 GATGGAAGACCCGCTCATCTGAGAGCTCGTGAAGAGAGAGCTGTGGATTCCTGCT 939
    |||
DB 357 GATGGAAGAACCCGCTCATCTGAGAGCTCGTGAAGAGAGAGCTGTGGAGATCCCACT 416
    |||
QY 940 GCTCAAGGTGCTCACTGAGCTCACTGCTCCAGACTGAGAGCAGGGAGTTCCTGCT 999
    |||
DB 417 G--CCTGAGGTCTGAGCT-GTTTGTCTGAGTGGAGACAGAGCAATTCATTAATTTC 473
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QY 1000 TGC 1002
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DB 474 TGC 476
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RESULT 7
US-09-610-906-3
Sequence 3, Application US/09610906
Patent No. 6566066
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Volkmut, Wayne
APPLICANT: Klinger, Rod M.
TITLE OF INVENTION: AQUAPORIN-8 VARIANT
FILE REFERENCE: PC-0012 CIP
CURRENT APPLICATION NUMBER: US/09/610,906
CURRENT FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 09/226,994
PRIOR FILING DATE: 1999-01-07
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PERL Program
SEQ ID NO 3
LENGTH: 233
TYPE: DNA
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ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6566066 2774542H1
PUBLICATION INFORMATION:
US-09-610-906-3
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Query Match      17.2%; Score 233; DB 4; Length 233;
Best Local Similarity 100.0%; Pred. No. 5,1e-53;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 GGTGAGCCCTCTGTGGCATCTTCTCTCAGAGTGCAGAGCAAGGGGGCTGTGAT 60
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DB 1 GGTGAGCCCTCTGTGGCATCTTCTCTCAGAGTGCAGAGCAAGGGGGCTGTGAT 60
    |||
QY 61 AATTCAGGTTGGGGGTGCGGCGCTTCTATATCTGAGATTGCTCCACCGGTCTCT 120
    |||
DB 61 AATTCAGGTTGGGGGTGCGGCGCTTCTATATCTGAGATTGCTCCACCGGTCTCT 120
    |||
QY 121 GTCCCTTTTCCCTACGGGATATGCGATGTGTGAGCTGATTTGGCAATGACAGGCC 180
    |||
DB 121 GTCCCTTTTCCCTACGGGATATGCGATGTGTGAGCTGATTTGGCAATGACAGGCC 180
    |||
QY 181 AGGAGCCGAGGCGTGGGTGGCAGAGTGTCTGCTGATGAAAGGTTGT 233
    |||
DB 181 AGGAGCCGAGGCGTGGGTGGCAGAGTGTCTGCTGATGAAAGGTTGT 233
    |||
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RESULT 8
US-09-610-906-8
Sequence 8, Application US/09610906
Patent No. 6566066
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Volkmut, Wayne
APPLICANT: Klinger, Rod M.
TITLE OF INVENTION: AQUAPORIN-8 VARIANT
FILE REFERENCE: PC-0012 CIP
CURRENT APPLICATION NUMBER: US/09/610,906
CURRENT FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 09/226,994
PRIOR FILING DATE: 1999-01-07
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PERL Program
SEQ ID NO 8
LENGTH: 279
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6566066 70162441H1
PUBLICATION INFORMATION:
US-09-610-906-8
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Query Match      13.5%; Score 183.2; DB 4; Length 279;
Best Local Similarity 79.0%; Pred. No. 1,5e-39;
Matches 218; Conservative 0; Mismatches 58; Indels 0; Gaps 0;
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QY 529 GAGGAGAGTTCTGAGATGATCTGGGCGGCTTGTGACAGTGCAGAGCAGGGGAG 588
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DB 4 GAGGAGAGTTCTGAGATGATCTGGGCGGCTTGTGACAGTGCAGAGCAGGGGAG 63
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QY 589 GTGGCAGGGGCGTGTGGCAGAGATCATCTGACGAGCTGTGGCCCTGCTGTATGC 648
    |||
DB 64 GTGGCAGAGGCGCTGTGGGATGAGATCGTTATGAGATGCTGTGTATTTGGCTGTGT 123
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QY 649 ATGGGTGCATCAATGAGAGCAAGAGGCGCTGTGGCCCGCTTCCATGCGCTTGGC 708
    |||
DB 124 ATGGGTGCATCAATGAGAGCAAGAGGCGCTGTGGCCCGCTTCCATGCGCTTGGC 183
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QY 709 GTACCGTGTATATCTGAGTGTGGGCGCTGTGTGTGAGAGCTGATGATCCCGCGT 768
    |||
DB 184 GTCAATTGTGATATCTGTGGCAAGTGTGGAGTCTGTGAGAGCTGATGATCCCGCTGT 243
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QY 769 GCTTTGACCTGCGCGTGTGGCCACACCTGGAGC 804
Db 244 GCTTTGACCTGCTGTGTATGCTGGCTTACTGGGAC 279

RESULT 9
US-09-610-906-10
; Sequence 10, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmer, Wayne
; APPLICANT: Klingner, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; NUMBER OF SEQ ID NOS: 1999-01-07
; SOFTWARE: PERL Program
; SEQ ID NO 10
; LENGTH: 325
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 701652485H1
; PUBLICATION INFORMATION:
US-09-610-906-10

Query Match 9.9%; Score 134.4; DB 4; Length 325;
Best Local Similarity 72.0%; Pred. No. 2,2e-26;
Matches 190; Conservative 0; Mismatches 71; Indels 3; Gaps 1;
QY 137 GGCAGTACCATGCTGTGACCTGAAATTGGCAATGACAGGCGAGGACCGAGCGTGG 196
Db 62 GGGAGAGCGCGGATGTATGATGACCTACGTAGATCAAGGGAGAGAGACCATCATGG 121
QY 197 GTGGCAGTGGC---GAGTGTCTGTGAGAGAGGTTTGTGAGCCATGTCTGTGGAGC 253
Db 122 CTGACAGTTACCATGACATGCAATGCTGTGTATGAGCAGTACATCAACCGTGTGTGGAGC 181
QY 254 TGTCTGGCTCTGCTCTTCTTCACTTTCATGCGGAGTGCCTGTGCGTCAATGAGATGGAGCG 313
Db 182 TTTTGGGCTCCGCTCTCTTCACTTTCATGCGGAGTGTGTATGCGTCAATGAGAGAGTCCAA 241
QY 314 ACACTGGGCTGTGAGAGCGCGGCGCTGGCCCAAGGAGGCTGGCTTTGGGAGCTGTGATTGCCA 373
Db 242 ATACTGGGCTCTGTGAGAGCGCTGGCGCTCATGAGGCTGGCGCTTCATCATCATCATGCTCA 301
QY 374 CGCTGGGAGATATCATAGTGTGGAC 397
Db 302 CTTGGGAGATCATGCGGCTGGAC 325

RESULT 10
US-09-610-906-9
; Sequence 9, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmer, Wayne
; APPLICANT: Klingner, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; NUMBER OF SEQ ID NOS: 1999-01-07
; SOFTWARE: PERL Program

; SEQ ID NO 9
; LENGTH: 159
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 701336587H1
; PUBLICATION INFORMATION:
US-09-610-906-9

Query Match 8.4%; Score 114.2; DB 4; Length 159;
Best Local Similarity 82.4%; Pred. No. 4,5e-21;
Matches 131; Conservative 0; Mismatches 28; Indels 0; Gaps 0;
QY 495 GCTCGGGGCTGCTTGGCCAGGCGGTGAGTCTGAGAGAGGTTCTGGAATGATCTGG 554
Db 1 GATCGAGAGCTGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGG 60
QY 555 GCGGCGCTTGTGACAGTCCAGAGCAGGCGAGGTGCGACAGGCGCTTGTGCGACAGAT 614
Db 61 GCGAGCGCTTGTGACAGTCCAGAGCAGGCGAGGTGCGACAGGCGCTTGTGCGACAGAT 120
QY 615 CATCTGACAGAGCTGCTGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 653
Db 121 CTTATGACAGATGCTGTGTATGCTGTGTATGATGAGG 159

RESULT 11
US-09-372-422A-23
; Sequence 23, Application US/09372422A
; Patent No. 6133375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barileu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; PRIOR FILING DATE: 1998-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 1193
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (88) ... (838)
US-09-372-422A-23

Query Match 8.1%; Score 109.4; DB 3; Length 1193;
Best Local Similarity 50.6%; Pred. No. 2,1e-19;
Matches 300; Conservative 0; Mismatches 281; Indels 12; Gaps 1;

QY 269 TCTTCATCTTCATGAGGCTGTGCTGTGATGAGATGAGAGGACACTGGAGCTGCTGC 328
Db 200 TCCGATCGCTTCTTGGGCACTGACGATGCGCGCGCTGACCTGTGGGACTGTGG 259
QY 329 AGCGGCGCTTGGCCAGGCGCTGCTTGGGCTGTGATGAGCAAGCTGGGGAATATCA 388
Db 260 CGATCGGCGTGGCGCAGCGCTGCGCTTGTGTGGGCTGTGCGGCGGCACTACCT 319
QY 389 GTGTGACACTTCAACCTGCGGCTGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCT 448
Db 320 CCGCGGCGACTGACCTGACCTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGG 379
QY 449 TGTGATGCTCTCCGTAAGTGTGCTCAAGCTGCTGGGAGAGTCTGGGAGTGTGCT 508
Db 380 TCTTCACGCGCTCTTCTTATGAGTGTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCT 439
QY 509 TGGCCAGGCGGCTGATCTCTGAGAGAGGTTTGAATGATCTTGGGCGCGCTTGTGA 568


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Db      526 C---GTGTGGTGGAGGCGCTGTGCTGAAGATCTGTATGACCTTCGGGCTGTGTETA 582
QY      633 GGCCCTGCTGTATGATGAGTGGTGCATCATGAGAAACAAGAGGAGCCCTTCGGAGCCGTT 692
Db      583 CACGCTGTAGCGACGCGGGGTGGAACCGAAGAGGAGGAGCCCTGGGACCATGCCCCCAT 642
QY      693 CTCATATGGCTTTTCCGCTACCCGTGATATCTGTGGGGGAGCCCTGTGTGTGAGAGCTG 752
Db      643 TGCATGCGCTTCAATCTGTGGGGGCAACATCTGTGTGGGCGCCCTTCACAGCGGCGTTC 702
QY      753 CATGAATCCGCGCGCTGCTTTTGGACCTGGGAGTGGGCAACACATGAGAACTTCCACTG 812
Db      703 CATGAACCCGCGCGCTGTCTTCGGGCCCCGCTGTGCTGAGCTGGAGGTGGGGCTACAGTG 762
QY      813 GATCTACTGCTGGGCGCACTCTGCTGCTGCTGTGTGTGTGACTGCTC 861
Db      763 GGTGTACTGGGTGGCCCTCATGCGGCGGCGCTGCGGCGTCAATC 811

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RESULT 14
US-09-372-422A-31
; Sequence 31, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; PRIOR FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 31
; LENGTH: 1015
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (77) ... (863)
US-09-372-422A-31

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Query Match      7.4%; Score 100; DB 3; Length 1015;
Best Local Similarity 51.0%; Pred. No. 6,7e-17;
Matches 294; Conservative 0; Mismatches 270; Indels 12; Gaps 2;

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QY      301 GAGATGGGACGACACTGGGCTGTGACGCGGCTTGGCCACGAGCTTGGCTTTGGG 360
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QY      361 CTCGTGATTTGCCAGCTGGGGAATATCACTGTGTGACACTTAAACCTTGGGTGCCG 420
Db      239 GTGGCGTGTGACGTGGCGGTCAACATCTGGGCGGACGTAAACCGGCGGTCACTTC 358
QY      421 GCAGCATGCTGATGAGAGGCTCAAACCTGTGTGATGCTCTCCGTACTGGGTCTCAAG 480
Db      359 GCGCGCTGTGTGGGCGCGCTCTCCCTGTCGCGCGGCTGTGATCTGGGTGCGGAG 418
QY      481 CTGCTGGGGGATGCTGGGGGCTGCTTTGGCAAGGCGGTGATGCTGAGAGAGGTTTC 540
Db      419 CTGCTGGG-----CGCCGTGCGCGCAAGCTGCTTCCTGGCTGCGCCACGAGGAGG 469
QY      541 TGAATGATCTGGGCGGCTTTGTGACATTCACAGACAGGAGGAGGAGGAGGAGG 600
Db      470 ATGGGCGCGCGGGGTTTGCGCTGCGTCCGGGAGTGGGAGTGGCA---CGCGGTG 526
QY      601 TTGGTGGAGAGATATCTGACAGCGCTGCTGGCGCTGGCTGTATGATGAGTGCATC 660
Db      527 CTGAGGCGCTGATGACGTTGGCGCTCAATGTAAGCGCTACTACGACAGGATGACCG 586
QY      661 AATGAGAAGACAAGGCGCTCTGGCGCGCTTCTTCATCGGCTTTGGCGTACCGTGTAT 720

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Db      587 AAGCGGGGAGACCTGGGACCATGCGCGCTGGGCTTGAGGCTTCTGCTGGCGCAAC 646
QY      721 ATCTGTGGGGGCGCTGTGTGTGAGCTGACATGAAATCCGCGCGCTTTTGGACCT 780
Db      647 GTGCTGGCGGAGGGGCTTTCACAGCGCGAGGAGTAAACCGGCGCGGCTTTCGGGCGG 706
QY      781 GCGGTGATGCCAACACCATGAGAACTTTCATGAGATCTATGCTGGGCGGCTCTGCTGCT 840
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QY      841 GCGCTGTTGTGACATGCTCATTTAGTGTTCATT 876
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RESULT 15
US-09-372-422A-33
; Sequence 33, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; PRIOR FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 33
; LENGTH: 1081
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (37) ... (799)
US-09-372-422A-33

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Query Match      7.4%; Score 99.6; DB 3; Length 1081;
Best Local Similarity 49.8%; Pred. No. 8.8e-17;
Matches 289; Conservative 0; Mismatches 279; Indels 12; Gaps 1;

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QY      259 GGCCTGCTCTTCTTCACTTCATCGGAGTGTGCTGTGCTATGAGATGAGACGACACT 318
Db      145 GCTTCAGATGCGGAGTGGCTTCAATGATCAAGCAAGAGCGTGGCGCACTCTGCGC 204
QY      319 GGGCTGTGACGCGGCGCTGGCCACGAGGCTGGCTTTGGGGCTCGTATTTGCAAGCTG 378
Db      205 GGCCTCATCGCGGCTGTCTTGGGACAGCCCTTCCCTCTTCTGTGGCGCTTCCTGTGG 264
QY      379 GGAATATCAGTGTGACACTTCAACCTGCGGTGCTTCTGCAAGCACTGCTGATCGGA 438
Db      265 GCGAATATCTCGCGCGGCGCAAGTGAACCTGCGGTGACCTTGTGGGCGGCTTGTGG 324
QY      439 GGCCTCAACGCGGTGATGCTTCCGCTATGAGGTCTCAAGCTGTCTGGGGAGTGTCTC 498
Db      325 AACTATGAGCTCTTCAAGAGGCTGTGTCTATGAGTGGGCAACTCTTGGGCTCCGTGCT 384
QY      499 GGGGCTGCTTGGCAAGCGGTGAGTCTTGAAGAGAGTTCATGAGATCATCTGGGGG 558
Db      385 GCGTGCCTCTCTCAAGAT-----CGCCAGGGGAGGCGGCGCTTGTGAGCGC 432
QY      559 GCGTTTGTGACATGACAGAGAGGAGGAGTGGACAGGAGCTTGTGTGACAGATCATC 618
Db      433 TTCTGCTGTGCGGCGGCGCTGCGCGCATGAACGCGGTGTCTGAGATGTGTATGAC 492
QY      619 CTGACAGCGCTGTGGCGCTGTGTATGATGATGAGTGTGATGATGAGAAAGAGGCG 678
Db      493 TTGGGCTGTGTACAGGTTGACGACAGCGCGGTGAGACCCCAAGAGAGGCGACTCGG 552
QY      679 CTTGCGCGCGCTTCTCATCGGCTTTGCGCTTACCGTGAATATCTGTGGGGCGCT 738

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Db	553	GTGATCGCGCCCAATCGGCTTCATCGTGGCCCAACATCCTGGGGGGGGGCC	612
Qy	739	GTGTCGAGGCGTCGATGAATCCCGCCCGGCTTTGACCTGCGGTGGCCAAACAC	798
Db	613	TTGACGGCGCCTCCATGAACCCCGCGTCTCTTCGGCCCGCGGTGTCACCGGCGTC	672
Qy	799	TGGAATTCACCTGATCTACTGCGTGGGCCCACTCCTGG	838
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 6, 2005, 20:39:38 ; Search time 748.327 Seconds
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Title: US-09-864-711-8

Perfect score: 1354

Sequence: 1 ggtgagccctctgctgcgcac.....atagccagtgcttcctcc 1354

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Gapop 10.0 , Gapext 1.0

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1354	100.0	1354	9	US-09-864-711-8
2	1354	100.0	1354	16	US-10-396-943-2
3	1213.6	89.6	1312	9	US-09-981-353-62
4	1213.6	89.6	1312	16	US-10-396-943-5
5	1213.4	89.6	1410	9	US-09-925-299-67
6	1213.4	89.6	1410	10	US-09-925-299-67
7	1213.4	89.6	1410	14	US-10-023-896-40
8	1213.4	89.6	1410	15	US-10-106-698-245
9	1210.2	88.9	1324	14	US-10-216-408-16
10	1203.4	88.9	1324	14	US-10-158-646-49
11	1202	88.8	1388	14	US-10-023-896-11

12	1202	88.8	1712	15	US-10-106-698-1986	Sequence 1986, Ap
13	1200.4	88.7	1309	17	US-10-295-027-459	Sequence 459, Ap
14	473.8	35.0	562	16	US-10-396-943-6	Sequence 6, Appl
15	315.2	23.3	321	10	US-09-803-719-2329	Sequence 2329, Ap
16	312.8	23.1	317	10	US-09-803-719-2269	Sequence 2269, Ap
17	310.6	22.9	318	10	US-09-803-719-2361	Sequence 2361, Ap
18	305.2	22.5	321	10	US-09-803-719-2362	Sequence 2362, Ap
19	280.8	20.7	314	10	US-09-803-719-2328	Sequence 2328, Ap
20	277.4	20.5	381	14	US-10-216-408-9	Sequence 9, Appl
21	271	20.0	282	14	US-10-216-408-12	Sequence 12, Appl
22	266	19.6	269	14	US-10-216-408-7	Sequence 7, Appl
23	261	19.3	274	16	US-10-396-943-4	Sequence 4, Appl
24	257	19.0	257	14	US-10-216-408-4	Sequence 4, Appl
25	255.4	18.9	257	14	US-10-216-408-11	Sequence 11, Appl
26	251.4	18.6	620	16	US-10-396-943-7	Sequence 7, Appl
27	244	18.0	244	14	US-10-216-408-3	Sequence 3, Appl
28	244	18.0	244	14	US-10-216-408-6	Sequence 6, Appl
29	243.8	18.0	279	14	US-10-216-408-14	Sequence 14, Appl
30	233	17.2	233	16	US-10-396-943-3	Sequence 3, Appl
31	230.8	17.0	256	14	US-10-216-408-10	Sequence 10, Appl
32	228.4	16.9	231	14	US-10-216-408-13	Sequence 13, Appl
33	224	16.5	224	14	US-10-216-408-5	Sequence 5, Appl
34	215.4	15.9	220	14	US-10-216-408-15	Sequence 15, Appl
35	199.4	14.7	201	14	US-10-216-408-8	Sequence 8, Appl
36	183.2	13.5	279	16	US-10-396-943-8	Sequence 8, Appl
37	134.4	9.9	325	16	US-10-396-943-10	Sequence 10, Appl
38	123	9.1	222	14	US-10-216-408-2	Sequence 2, Appl
39	117.8	8.7	1067	17	US-10-425-114-26019	Sequence 26019, A
40	117.8	8.7	1067	18	US-10-425-115-46730	Sequence 46730, A
41	117.8	8.7	1404	18	US-10-437-963-98229	Sequence 98229, A
42	116.2	8.6	1185	18	US-10-767-701-15462	Sequence 15462, A
43	115	8.5	800	18	US-10-767-701-15393	Sequence 15393, A
44	114.2	8.4	159	16	US-10-396-943-9	Sequence 9, Appl
45	112	8.3	1014	17	US-10-425-114-1471	Sequence 1471, Ap

ALIGNMENTS

RESULT 1
US-09-864-711-8
Sequence 8, Application US/09864711
Patent No. US2002007309A1
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Volkmer, Wayne
APPLICANT: Klingler, Tod M.
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
FILE REFERENCE: PB-0008-1 CIP
CURRENT APPLICATION NUMBER: US/09/864,711
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PERL Program
SEQ ID NO 8
LENGTH: 1354
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: 2774542CB1
US-09-864-711-8

Query Match 100.0%; Score 1354; DB 9; Length 1354;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1354; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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421 GAGCATTGCTATGCGAGGCTTCAACCTGGTATCTCTCCCGACTGGGTCTACAG 480
481 CTGCTGGGGGATGCTCGGGCTGCTTGGCCAAAGCGGTAGTCTTGAAGAGAGTTC 540
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901 CTGAAGGCTCGGTGAAGCAGAGCTGAGGATTCCTGCTGCTCAGGTCTCTCAGCTCA 960
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1321 TCACCTTGAATTAATAGTCCAGTGTTCCTTC 1354

US-09-981-353-62
; Sequence 62, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US

CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 62
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc. feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1804734CBI
US-09-981-353-62
Query Match 89.6%; Score 1213.6; DB 9; Length 1312;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1219; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
122 TCCCTTTTCCCTAGGAGATAGCCATGTGTGAGCTGAAATTTGCAATGACAAAGGCA 181
85 TCTGATGCTGGAGAGCAGATAGCATGTGTGAGCTGAAATTTGCAATGACAAAGGCA 144
182 GGAAGCCAGAGCTGGGTGGCAGGTGGCAGAGTGTCTGTGACGAAGGTTTGTGAGCCAT 241
145 GGAAGCCAGAGCTGGGTGGCAGGTGGCAGAGTGTCTGTGACGAAGGTTTGTGAGCCAT 204
242 GTCTGTGAACTGCTGGGCTCTGCTCTCTTCACTTTCATGAGGCTGCTGTGCTCATTTG 301
205 GTCTGTGAACTGCTGGGCTCTGCTCTCTTCACTTTCATGAGGCTGCTGTGCTCATTTG 264
302 AGAATGGAGCAGACATGGGGCTGTCAGCCGGCCCTGGCCCAAGGGGCTGCTTGGGGC 361
265 AGAATGGAGCAGACATGGGGCTGTCAGCCGGCCCTGGCCCAAGGGGCTGCTTGGGGC 324
362 TCGTATTTGCCAGCTGGGGAATATCAGTGTGACACTTCAACCTCGGTGCTCTGG 421
325 TCGTATTTGCCAGCTGGGGAATATCAGTGTGACACTTCAACCTCGGTGCTCTGG 384
422 CAGCATGCTGATCGAAGGCTCAACCTGTGTGATGCTCTCTCGTATGAGTCTCAAGC 481
385 CAGCATGCTGATCGAAGGCTCAACCTGTGTGATGCTCTCTCGTATGAGTCTCAAGC 444
482 TGTCTGGGGGGATGCTGGGGGCTGCTGGCCAAAGGGGTGAGTCTGAGAGAGAGTCT 541
445 TGTCTGGGGGGATGCTGGGGGCTGCTGGCCAAAGGGGTGAGTCTGAGAGAGAGTCT 504
542 GGAATGCACTGTGGGGGCTCTTGTGTGACAGTCAAGAGCAGAGGAGTGGCAGGGGCT 601
505 GGAATGCACTGTGGGGGCTCTTGTGTGACAGTCAAGAGCAGAGGAGTGGCAGGGGCT 564
602 TGTGGCAGAGATCATCTGACAGAGCTGTGGCCCTGGCTGTATGCAATGGGTGCATCA 661
565 TGTGGCAGAGATCATCTGACAGAGCTGTGGCCCTGGCTGTATGCAATGGGTGCATCA 624
662 ATGAGAAACAAGAGGCTCTGAGCCCGTCTCAATGGCTTTGCGCCATCCCGGTGATA 721
625 ATGAGAAACAAGAGGCTCTGAGCCCGTCTCAATGGCTTTGCGCCATCCCGGTGATA 684
722 TCTTCTGGGGGCTCTGTGTGTGAGAGCTGCAATGATTCGCGCCGTCTTTTGAAGCTG 781
685 TCTTCTGGGGGCTCTGTGTGTGAGAGCTGCAATGATTCGCGCCGTCTTTTGAAGCTG 744
782 CGGTGGGCAACAACATGGAACCTTCACTGAGATCTAGCTGGGCCCACTCTGGGTG 841
745 CGGTGGGCAACAACATGGAACCTTCACTGAGATCTAGCTGGGCCCACTCTGGGTG 804
842 GCGCTGTTGAGCTGCTCATTAAGTGTCTTATTTGAGAGAGAGCCGCTCATCC 901
805 GCGCTGTTGAGCTGCTCATTAAGTGTCTTATTTGAGAGAGAGCCGCTCATCC 864
902 TGAAGGCTCGGTGAAGCAGAGCTGAGGATTCCTGCTGCTCAAGTGTCTCAAGCTCAC 961
865 TGAAGGCTCGGTGAAGCAGAGCTGAGGATTCCTGCTGCTCAAGTGTCTCAAGCTCAC 924

QY 962 CTGTCACGAGTGAAGAGGAGGAGTTCCTGATTTCTGCGCAGGAGGAGCCCAAGAG 1021
Db 925 CTGTCACGAGTGAAGAGGAGGAGTTCCTGATTTCTGCGCAGGAGGAGCCCAAGAG 984
QY 1022 AGCGACCCCTGCTTCACATGCTTGGGCTGCTTTCAGATPAGACTGATGAGAG 1081
Db 985 AGCGACCCCTGCTTCACATGCTTGGGCTGCTTTCAGATPAGACTGATGAGAG 1044
QY 1082 GCTCTAGGTTCTTGGAATTCCTTGTGCTATCAGAGACCCGACCTGGGAAACAGCTG 1141
Db 1045 GCTCTAGGTTCTTGGAATTCCTTGTGCTATCAGAGACCCGACCTGGGAAACAGCTG 1104
QY 1142 CCGCAGCTGCGCAGAGAGAGTGAACAACAACAACAGAGCGGTTTCTTGAGAGGAT 1201
Db 1105 CCGCAGCTGCGCAGAGAGAGTGAACAACAACAACAGAGCGGTTTCTTGAGAGGAT 1164
QY 1202 GTCCCGAGTTGACAAAGAGGCTGTTTTCGACATGACTCATTTCCGACCCCATTT 1261
Db 1165 GTCCCGAGTTGACAAAGAGGCTGTTTTCGACATGACTCATTTCCGACCCCATTT 1224
QY 1262 CTGCTGATTTGCTTGTGGGGGCTGGCCACTTCTTGTCTTCAAGCTGACATTTCT 1321
Db 1225 CTGCTGATTTGCTTGTGGGGGCTGGCCACTTCTTGTCTTCAAGCTGACATTTCT 1284
QY 1322 CACTTGCATTAATAATAGTCCAGTGTTC 1349
Db 1285 CACTTGCATTAATAATAGTCCAGTGTTC 1312

RESULT 4

US-10-396-943-5
; Sequence 5; Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/10/396,943
; PRIOR FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 5
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20030158085A1 1804734CB1
; PUBLICATION INFORMATION:
US-10-396-943-5

Query Match 89.6%; Score 1213.6; DB 16; Length 1312;
Beet Local Similarity 99.3%; Pred. No. 0;
Matches 1219; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 122 TCCCTTTTCCCTAGGAGATAGCCATGTGAGCCTGAATTTGGCAATGACAGGCCA 181
Db 85 TCCGATGATCTGAGAGAGCATGATGAGCCTGAATTTGGCAATGACAGGCCA 144
QY 182 GGAAGCCGAGCGTGGGTGAGAGGTGAGAGTCTCTGTAACAGAGGTTTGGAGCAT 241
Db 145 GGAAGCCGAGCGTGGGTGAGAGGTGAGAGTCTCTGTAACAGAGGTTTGGAGCAT 204
QY 242 GTCTGTGTAAGTGTGGGCTGCTGCTCTTCAATTTCAATGGGAGCTGTGCGATTTG 301
Db 205 GTCTGTGTAAGTGTGGGCTGCTGCTCTTCAATTTCAATGGGAGCTGTGCGATTTG 264

QY 302 AGAATGGAACGACACTGAGGCTGCTGACGCCGCTGAGCCCAAGGAGCTTTGGGGC 361
Db 265 AGAATGGAACGACACTGAGGCTGCTGACGCCGCTGAGCCCAAGGAGCTTTGGGGC 324
QY 362 TCGTGAATTTGCAAGCTGCTGGGAAATATCAAGTGTGACACTTCAACCTTGGTCCCTG 421
Db 325 TCGTGAATTTGCAAGCTGCTGGGAAATATCAAGTGTGACACTTCAACCTTGGTCCCTG 384
QY 422 CAGCCATGCTGATTCGAGAGGCTCAACCTGAGTACTCTCCGATCAGGAGTTCACAGC 481
Db 385 CAGCCATGCTGATTCGAGAGGCTCAACCTGAGTACTCTCCGATCAGGAGTTCACAGC 444
QY 482 TCGTGGGAGGATGCTGAGGAGCTTGTGACAGTTCAGAGAGAGGAGTTCCT 541
Db 445 TCGTGGGAGGATGCTGAGGAGCTTGTGACAGTTCAGAGAGAGGAGTTCCT 504
QY 542 GGAATGCAATCTGGGGGCGCTTGTGACAGTTCAGAGAGAGGAGTTCAGAGGAGTTC 601
Db 505 GGAATGCAATCTGGGGGCGCTTGTGACAGTTCAGAGAGAGGAGTTCAGAGGAGTTC 564
QY 602 TGGTGCAGAGATCATCTGACAGAGCTGCTGAGCCTGATGATGATGAGGAGTTCATCA 661
Db 565 TGGTGCAGAGATCATCTGACAGAGCTGCTGAGCCTGATGATGATGAGGAGTTCATCA 624
QY 662 ATGAGAGACAAAGGCGCTCTGAGCCCGCTTCTCATGAGCTTTCAGAGTTCATCA 721
Db 625 ATGAGAGACAAAGGCGCTCTGAGCCCGCTTCTCATGAGCTTTCAGAGTTCATCA 684
QY 722 TCGTGGGAGGAGGCTGATCTGAGAGCTGATGAATCCCGGCGCTTTGGAGCTG 781
Db 685 TCGTGGGAGGAGGCTGATCTGAGAGCTGATGAATCCCGGCGCTTTGGAGCTG 744
QY 782 CGGTGTGAGCAACCACTGGAATCTTCACTGAGATCTAATGAGTGGAGAGCCGCTATCC 841
Db 745 CGGTGTGAGCAACCACTGGAATCTTCACTGAGATCTAATGAGTGGAGAGCCGCTATCC 804
QY 842 GCTGCTGTTGAGCTGCTGATGAGTCTTCAATTTGAGATGAGAGAGCCGCTATCC 901
Db 805 GCTGCTGTTGAGCTGCTGATGAGTCTTCAATTTGAGATGAGAGAGCCGCTATCC 864
QY 902 TGAAGGCTCGGTGAGAGCAGAGCTGAGGATTCCTGCTGCTCAGAGTCTCAGCTCAC 961
Db 865 TGAAGGCTCGGTGAGAGCAGAGCTGAGGATTCCTGCTGCTCAGAGTCTCAGCTCAC 924
QY 962 CTGTCACGAGTGAAGAGAGGAGTTCCTGATTTCTGCGCAGGAGGAGCCAGAG 1021
Db 925 CTGTCACGAGTGAAGAGAGGAGTTCCTGATTTCTGCGCAGGAGGAGCCAGAG 984
QY 1022 AGCGACCCCTGCTTCACATGCTTGGGCTGCTTTCAGATPAGACTGATGAGAG 1081
Db 985 AGCGACCCCTGCTTCACATGCTTGGGCTGCTTTCAGATPAGACTGATGAGAG 1044
QY 1082 GCTCTAGGTTCTTGGAATTCCTTGTGCTATCAGAGACCCGACCTGGGAAACAGCTG 1141
Db 1045 GCTCTAGGTTCTTGGAATTCCTTGTGCTATCAGAGACCCGACCTGGGAAACAGCTG 1104
QY 1142 CCGCAGCTGCGCAGAGAGAGTGAACAACAACAACAGAGCGGTTTCTTGAGAGGAT 1201
Db 1105 CCGCAGCTGCGCAGAGAGAGTGAACAACAACAACAGAGCGGTTTCTTGAGAGGAT 1164
QY 1202 GTCCCGAGTTGACAAAGAGGCTGTTTTCGACATGACTCATTTCCGACCCCATTT 1261
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QY 1262 CTGCTGATTTGCTTGTGGGGGCTGGCCACTTCTTGTCTTCAAGCTGACATTTCT 1321
Db 1225 CTGCTGATTTGCTTGTGGGGGCTGGCCACTTCTTGTCTTCAAGCTGACATTTCT 1284
QY 1322 CACTTGCATTAATAATAGTCCAGTGTTC 1349
Db 1285 CACTTGCATTAATAATAGTCCAGTGTTC 1312

Db	231	GCTCTGCTCTTCACTTCATCTTCAATCGGAGTCCCTGTGGCTCATTTGAGAAATGGAGCGCACTG	290
Qy	320	GGCTGCTGCAAGCCGAGCCCTTGAGCCACAGGAGCTGGCTTTGGAGCTGTGATTTGCCACGCTGG	379
Db	291	GGCTGCTGCAAGCCGAGCCCTTGAGCCACAGGAGCTGGCTTTGGAGCTGTGATTTGCCACGCTGG	350
Qy	380	GGAATATCAGTGTGTGACACTTTCAACCTGCGAGTGTCCCTGGAGGCCATGCTATCGGAG	439
Db	351	GGAATATCAGTGTGTGACACTTTCAACCTGCGAGTGTCCCTGGAGGCCATGCTATCGGAG	410
Qy	440	GCCTCAACCTGTGTATGTCTCTCCGTAATGTGGATGTTCACAGCTCTCGGGAGATGTCTG	499
Db	411	GCCTCAACCTGTGTATGTCTCTCCGTAATGTGGATGTTCACAGCTCTCGGGAGATGTCTG	470
Qy	500	GGGCTGCTTTGGCCCAAGGCGGTGTAGTCTGAGGAGAGCTTCTGGAATGCACTTGGGCGG	559
Db	471	GGGCTGCTTTGGCCCAAGGCGGTGTAGTCTGAGGAGAGCTTCTGGAATGCACTTGGGCGG	530
Qy	560	CTTTTGTGACAGTCCAGAGCAAGGAGCAGGTGACAGGAGCGTTGTGTGTGACAGATCATCC	619
Db	531	CTTTTGTGACAGTCCAGAGCAAGGAGCAGGTGACAGGAGCGTTGTGTGTGACAGATCATCC	590
Qy	620	TGAAGAGCTGCTGGCCCTTGAGCTGTATGCAATGGGTGCATCAATGAGAAACAAAGGACC	679
Db	591	TGAAGAGCTGCTGGCCCTTGAGCTGTATGCAATGGGTGCATCAATGAGAAACAAAGGACC	650
Qy	680	CTCTGGCCCCGTCTCCATCGGCTTTGGCGCTCAACGAGAAATCCAGGCTGGGGGCGCTGG	739
Db	651	CTCTGGCCCCGTCTCCATCGGCTTTGGCGCTCAACGAGAAATCCAGGCTGGGGGCGCTGG	710
Qy	740	TGCTTGGAGGCTGCATGGAATCCGCGCCGCTTTTGGACCTTGGGTGTGGGCAACCACT	799
Db	711	TGCTTGGAGGCTGCATGGAATCCGCGCCGCTTTTGGACCTTGGGTGTGGGCAACCACT	770
Qy	800	GGAACTTCCACTGGAATCTACTGGCTGAGGCGCACTCCGTGCTGGCCGTGTGTTGACATGCG	859
Db	771	GGAACTTCCACTGGAATCTACTGGCTGAGGCGCACTCCGTGCTGGCCGTGTGTTGACATGCG	830
Qy	860	TCAATTAGGTCTTCATTGAGATGAGGAGAACCCGACTCATCTGTGAAGGCTCGGTGAAACA	919
Db	831	TCAATTAGGTCTTCATTGAGATGAGGAGAACCCGACTCATCTGTGAAGGCTCGGTGAAACA	890
Qy	920	GAGCTCGTGGAGATTCCTCGTGCCTCAGAGGTGTCTACGCTCACTGTCCAGACTGAGGAC	979
Db	891	GAGCTCGTGGAGATTCCTCGTGCCTCAGAGGTGTCTACGCTCACTGTGTCCAGACTGAGGAC	950
Qy	980	AGGGAGATTCTGCAATTTCTGCCAGGGCAGAGGCCACAGAGAGGACACCCCTGCTTCCA	1039
Db	951	AGGGAGATTCTGCAATTTCTGCCAGGGCAGAGGCCACAGAGAGGACACCCCTGCTTCCA	1010
Qy	1040	CTGCTTTGGGSCCGCTTCTCAATATGACTGACTGCTGAGAGGCTCTAGTGTCTTGGAAAT	1099
Db	1011	CTGCTTTGGGSCCGCTTCTCAATATGACTGACTGCTGAGAGGCTCTAGTGTCTTGGAAAT	1070
Qy	1100	TCTTTTGTGCTATCAGAGACCCGAGCTGGGGAAACAGCTGCGCCGACCTGCCAGAGAG	1159
Db	1071	TCTTTTGTGCTATCAGAGACCCGAGCTGGGGAAACAGCTGCGCCGACCTGCCAGAGAG	1130
Qy	1160	CAGTGCAAACACACACAACAGAGCGTGTTCCTTGAAGAGAAATGTCGCCGAGTTGAGAACG	1219
Db	1131	CAGTGCAAACACACACAACAGAGCGTGTTCCTTGAAGAGAAATGTCGCCGAGTTGAGAACG	1190
Qy	1220	GAGGCTGTTTTCGACATCAGGTCAATTTCCCGGACCCCATTTCTTGTGTTATGTCCTTGT	1279
Db	1191	GAGGCTGTTTTCGACATCAGGTCAATTTCCCGGACCCCATTTCTTGTGTTATGTCCTTGT	1250
Qy	1280	TGGGGGCTGGGCACTTCTTGTCTTCAGCTGACATTTCTCACTTGTGCAATTAATAGT	1339
Db	1251	TGGGGGCTGGGCACTTCTTGTCTTCAGCTGACATTTCTCACTTGTGCAATTAATAGT	1310
Qy	1340	CCAGTGTTCCTTCC 1354	

	Db	1311	CNAAGTTTCCTTCC	1325
			RESULT 7	
			US-10-023-896-40	
			/ Sequence 40, Application US/10023896	
			/ Publication No. US2003002776A1	
			GENERAL INFORMATION:	
			/ APPLICANT: Victor Roschke	
			/ TITLE OF INVENTION: 29 Human Cancer Associated Proteins	
			/ FILE REFERENCE: PA004P1	
			/ CURRENT APPLICATION NUMBER: US/10/023,896	
			/ PRIOR FILING DATE: 2001-12-21	
			/ PRIOR APPLICATION NUMBER: unaassigned	
			/ PRIOR FILING DATE: 2001-12-21	
			/ PRIOR APPLICATION NUMBER: PCT/US00/23794	
			/ PRIOR FILING DATE: 2000-08-30	
			/ PRIOR APPLICATION NUMBER: 60/152,296	
			/ PRIOR FILING DATE: 1999-09-03	
			/ PRIOR APPLICATION NUMBER: 60/158,003	
			/ PRIOR FILING DATE: 1999-10-06	
			/ NUMBER OF SEQ ID NOS: 138	
			/ SOFTWARE: PatentIn Ver. 2.0	
			/ SEQ ID NO 40	
			/ LENGTH: 1410	
			/ TYPE: DNA	
			/ ORGANISM: Homo sapiens	
			US-10-023-896-40	
			Query Match	
			89.6%; Score 1213.4; DB 14; Length 1410;	
			Best Local Similarity 99.9%; Pred. No. 0;	
			Matches 1214; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	
QY	140	AGATGCGCATGTGTGACCTGAATTGGCAATGACAAGGCCAGGAGCCGAGCCTGGGTG	199	
DB	111	AGATTGCACATGTGTGAGTGCTGTAATTTGGCAATGACAAGGCCAGGAGCCGAGCCTGGGTG	170	
QY	200	GCAGGTGGGAGATGTCCTGTGTACGAACGGTTTTGTGCAGCCATGTGTGTGCAATCGCTGG	259	
DB	171	GCAAGTGGGAGAATGTCCTGTGTACGAACGGTTTTGTGCAGCCATGTGTGTGCAATCGCTGG	230	
QY	260	GCTCGCTCTCTTCAATCTTCAATCGGGTGCTGTGCTGTGATTTGAAATGGACGACTGT	319	
DB	231	GCTCGCTCTCTTCAATCTTCAATCGGGTGCTGTGCTGTGATTTGAAATGGACGACTGT	290	
QY	320	GCGTCTGCAGCGCGCCCTGGGCCACGAGGCTGGCTTTGGGGCTGTTGACACGCTGG	379	
DB	291	GCGTCTGCAGCGCGCCCTGGGCCACGAGGCTGGCTTTGGGGCTGTTGACACGCTGG	350	
QY	360	GGAATATAGTGTGACGACATTTCAACCCTGCGGTGTCTCTGGCACCATGCTGATTCGGAG	439	
DB	351	GGAATATAGTGTGACGACATTTCAACCCTGCGGTGTCTCTGGCACCATGCTGATTCGGAG	410	
QY	440	GCGTCAACCTGTATGTCTCTCCCTACTGGTACTGGTCTTCACAGCTCTCGGGGGGATGTCTG	499	
DB	411	GCGTCAACCTGTATGTCTCTCCCTACTGGTACTGGTCTTCACAGCTCTCGGGGGGATGTCTG	470	
QY	500	GGGCGTCCCTTGGCCAAGCGCGGTGACTCTGAGAGAGAGTTTGGATATGCAATCTGGGGCGG	559	
DB	471	GGGCGTCCCTTGGCCAAGCGCGGTGACTCTGAGAGAGAGTTTGGATATGCAATCTGGGGCGG	530	
QY	560	CCTTTGTGACAGTCCAGAGAGCGAGGGGACAGGGGGGTGTGGTGGCAGAGATCAATCC	619	
DB	531	CCTTTGTGACAGTCCAGAGAGCGAGGGGACAGGGGGGTGTGGTGGCAGAGATCAATCC	590	
QY	620	TGAAGAGCTGTCTGGCCCTGGCTGTATGCAATGGGTGCCAATATGAGAGACAAAGGCC	679	
DB	591	TGAAGAGCTGTCTGGCCCTGGCTGTATGCAATGGGTGCCAATATGAGAGACAAAGGCC	650	
QY	680	CTCTGAGCCCGTTCTCATCGGCTTTGCGCTCAACCGAGATATCTGGGCTGGGGGGCGTG	739	
DB	651	CTCTGAGCCCGTTCTCATCGGCTTTGCGCTCAACCGAGATATCTGGGCTGGGGGGCGTG	710	

Db 1191 GAGGCTGTTTTCGACATCACTGATTTCCGACCCCAATTCCTTGATGCTTGT 1250
QY 1280 TGGGGGCTGGCCACTTCCTGCTTCTCAAGCTGACAAATTCATCTTGCAATAAATAGT 1339
Db 1251 TGGGGGCTGGCCACTTCCTGCTTCTCAAGCTGACAAATTCATCTTGCAATAAATAGT 1310
QY 1340 CCAGTGTTCCTTCC 1354
Db 1311 CCAGTGTTCCTTCC 1325

RESULT 9

US-10-216-408-16
; Sequence 16, Application US/10216408
; Publication No. US20030013159A1

GENERAL INFORMATION:

APPLICANT: COHEN, MAURICE

COLPITTS, TRACEY L.

FRIEDMAN, PAULA N.

GRANADOS, EDWARD N.

KLASS, MICHAEL R.

RUSSELL, JOHN C.

STROUPE, STEVEN D.

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL

FOR DETECTING DISEASE OF THE GASTROINTESTINAL

TRACT

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:

ADDRESSEE: Abbott Laboratories

STREET: 100 Abbott Park Road

CITY: Abbott Park

STATE: IL

COUNTRY: USA

ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/216,408

FILING DATE: 09-Aug-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/959,634

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Becker, Cheryl L.

REGISTRATION NUMBER: 35,441

REFERENCE/DOCKET NUMBER: 6188-US.01

TELECOMMUNICATION INFORMATION:

TELEPHONE: 847/935-1729

TELEFAX: 847/938-2623

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:

LENGTH: 1314 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

SEQUENCE DESCRIPTION: SEQ ID NO: 16:

US-10-216-408-16

Query Match 89.4%; Score 1210.2; DB 14; Length 1314;

Best Local Similarity 99.3%; Pred. No. 0;

Matches 1206; Conservative 8; Mismatches 1; Indels 0; Gaps 0;

QY 140 AGATGCGCATGTGTGAGCTGTAATTTGGCAATGACAGGCGAGGAGCGGAGCTGTGGTGTG 199

Db 100 AGATGCGCATGTGTGAGCTGTAATTTGGCAATGACAGGCGAGGAGCGGAGCTGTGGTGTG 159

QY 200 GCAAGTGGCAGATGCTCTGTGTAAGAACGCTTTGTGACGACCATGTCTGGATCGAATGCTGG 259
Db 160 GCAAGTGGCAGATGCTCTGTGTAAGAACGCTTTGTGACGACCATGTCTGGATCGAATGCTGG 219
QY 260 GCTCTGCTCTTCAATCTTCAATGATGAGTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 319
Db 220 GCTCTGCTCTTCAATCTTCAATGATGAGTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 279
QY 320 GAGCTGTCAGACCGGCGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 379
Db 280 GAGCTGTCAGACCGGCGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 339
QY 380 GGAATATCAGTGTGAGCACTTCAACCTGCGGTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 439
Db 340 GGAATATCAGTGTGAGCACTTCAACCTGCGGTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 399
QY 440 GCTCAACCTGTGATGCTCTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 499
Db 400 GCTCAACCTGTGATGCTCTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 459
QY 500 GGGCTGCTGTGCGCAAGGCGGTGAGTCTGTGAGAGAGGTTCTGGAATGATCATCTGTGGGCGG 559
Db 460 GGGCTGCTGTGCGCAAGGCGGTGAGTCTGTGAGAGAGGTTCTGGAATGATCATCTGTGGGCGG 519
QY 560 CCTTTGTGACATTCAGAGAGAGGCGGAGGTGCGAGGCGGCTGTGCGAGAGATCATCC 619
Db 520 CCTTTGTGACATTCAGAGAGAGGCGGAGGTGCGAGGCGGCTGTGCGAGAGATCATCC 579
QY 620 TGACGACGCTGTGCGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 679
Db 580 TGACGACGCTGTGCGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 639
QY 680 CTCTGCGCCCGCTTCTCATTCGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 739
Db 640 CTCTGCGCCCGCTTCTCATTCGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 699
QY 740 TGTCTGAGAGGCTGATGATCCCGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 799
Db 700 TGTCTGAGAGGCTGATGATCCCGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 759
QY 800 GGAATCTTCACTGATCTACTGAGTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 859
Db 760 GGAATCTTCACTGATCTACTGAGTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 819
QY 860 TCATTAAGTGTCTTCAATTTGGAATGGAAGAACCCGCTTCAATCTTGAAGCTGTGGAAGCA 919
Db 820 TCATTAAGTGTCTTCAATTTGGAATGGAAGAACCCGCTTCAATCTTGAAGCTGTGGAAGCA 879
QY 920 GAGCTGTGAGATCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 979
Db 880 GAGCTGTGAGATCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 939
QY 980 AGGGAGTTCCTGATTTCTGCGAGGCGAGAGGCCAGAGAGCAACCCCTGCTTCCA 1039
Db 940 AGGGAGTTCCTGATTTCTGCGAGGCGAGAGGCCAGAGAGCAACCCCTGCTTCCA 999
QY 1040 CTGCTGGGCGCTGCTTCTGATAGTGAATGATGCTGTGAGAGAGGCTTGAATTTTGAAT 1099
Db 1000 CTGCTGGGCGCTGCTTCTGATAGTGAATGATGCTGTGAGAGAGGCTTGAATTTTGAAT 1059
QY 1100 TCTTTTGTGCTCATCAGAGACCCGAGCTGTGAGAGACGCTGTGCGCACTGTGCGCAGAGAG 1159
Db 1060 TCTTTTGTGCTCATCAGAGACCCGAGCTGTGAGAGACGCTGTGCGCAGCTGTGCGCAGAGAG 1119
QY 1160 CAGTGCAGAACCAACCAACAGAGCGTGTTCCTTGAAGAGAAATGTCCCGAGTTGAGCAAG 1219
Db 1120 CAGTGCAGAACCAACCAACAGAGCGTGTTCCTTGAAGAGAAATGTCCCGAGTTGAGCAAG 1179
QY 1220 GAGGCTGTTCCTGACATCAGCTCATTTCCCGAGACCCATTTCTGCTGATTTGCTTTGT 1279
Db 1180 GAGGCTGTTCCTGACATCAGCTCATTTCCCGAGACCCATTTCTGCTGATTTGCTTTGT 1239
QY 1280 TGGGGGCTGGCCACTTCCTGCTTCTCAAGCTGACAAATTCATCTTGCAATAAATAGT 1339

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Db      1240 TGGGGGCGTGGGCACTTCTGCTTCTGAGGAGCAATATCTCATTTGCAATTAATCT 1299
Qy      1340 CCAAGTTCCTTCC 1354
Db      1300 CCAAGTTCCTTCC 1314

RESULT 10
US-10-158-646-49
; Sequence 49, Application US/10158646
; Publication No. US20030073105A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy K.W.
; APPLICANT: Sornasse, Thierry
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0030-1 US
; CURRENT APPLICATION NUMBER: US/10/158,646
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: 60/295,239
; PRIOR FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO 49
; LENGTH: 1324
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20030073105A1 201901.4
US-10-158-646-49

Query Match      88.9%; Score 1203.4; DB 14; Length 1324;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 1222; Conservative 0; Mismatches 11; Indels 2; Gaps 1;

Qy      122 TCCCTTTTCCCTACGCGAGATAGCCATGTGTGAGGCTGAATTTGGCAATGACAGGCCA 181
Db      90 TCTGTATGTCTGAGAGAGAGATAGCCATGTGTGAGGCTGAATTTGGCAATGACAGGCCA 149
Qy      182 GGGAGCCGAGCGTGGGTGGGCAAGTGGCGAGTGTCTGTATGCAACCGTTTGTGACCCAT 241
Db      150 GGGAGCCGAGCGTGGGTGGGCAAGTGGCGAGTGTCTGTATGCAACCGTTTGTGACCCAT 209
Qy      242 GTCTGTGTGAATCTGCTGGGCTCTGCTCTTTCATCTTCATCGGGTGTCTGTGTGATTTG 301
Db      210 GTCTGTGTGAATCTGCTGGGCTCTGCTCTTTCATCTTCATCGGGTGTCTGTGTGATTTG 269
Qy      302 AGAATGGGAGCGGACCTGGGCTGTGCGAGCGGCCC--TGGGCCAAGGGGCTGGCTTTGGG 359
Db      270 AGAATGGGAGCGGACCTGGGCTGTGCGAGCGGCCCCTGGGCCAAGGGGCTGGCTTTGGG 329
Qy      360 GCTGTGTATGCGCAGCTGGGGGATATATCATGTGTGAGCACTTCAACCTGCGGTGTCCCT 419
Db      330 GCTGTGTATGCGCAGCTGGGGGATATATCATGTGTGAGCACTTCAACCTGCGGTGTCCCT 389
Qy      420 GGCAGCCATGCTGTATGCGAGGCTCTCAACTGTGTGATGCTCTTCCGTAATGAGGTCTGACA 479
Db      390 GGCAGCCATGCTGTATGCGAGGCTCTCAACTGTGTGATGCTCTTCCGTAATGAGGTCTGACA 449
Qy      480 GCTGTGTGGGGGAGTGTCTGGGGGCTGGCTTGGCCAAAGGGGTGAGTCCCTGAAGAGGTT 539
Db      450 GCTGTGTGGGGGAGTGTCTGGGGGCTGGCTTGGCCAAAGGGGTGAGTCCCTGAAGAGGTT 509
Qy      540 CTGGAATGATCTGGGGGCGGCTTTGTGTGACAGTTCGAGAGGAGGAGGAGGAGGAGGAGGAGG 599
Db      510 CTGGAATGATCTGGGGGCGGCTTTGTGTGACAGTTCGAGAGGAGGAGGAGGAGGAGGAGGAGG 569
Qy      600 GTTGTGTGAGAGATCATCTTGAACAAGCTGTGCTGGCTGTGTATGATGGGTGCAT 659
Db      570 GTTGTGTGAGAGATCATCTTGAACAAGCTGTGCTGGCTGTGTATGATGGGTGCAT 629
Qy      660 CAATGAGAAGACAAAGGGGCTGTGGGCGGTTTCTTCATCGGCTTGGCGGTGACCGGTGA 719
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Db      630 CAATGAGAAGACAAAGGGGCTGTGGGCGGTTTCTTCATCGGCTTGGCGGTGACCGGTGA 689
Qy      720 TATCTGTGGGGGCGGCTGTGTGTGAGGCTGACATGAAATCCCGCGGCTGCTTTTGGACC 779
Db      690 TATCTGTGGGGGCGGCTGTGTGTGAGGCTGACATGAAATCCCGCGGCTGCTTTTGGACC 749
Qy      780 TGGGTGTGGGCAACCACTGGAACCTTCCATGAGATCTATGCTGGGGGCACTCCCTGGC 839
Db      750 TGGGTGTGGGCAACCACTGGAACCTTCCATGAGATCTATGCTGGGGGCACTCCCTGGC 809
Qy      840 TGGGCTGTGTTGAGACTGCTCATTAAGGTGCTTTCATTTGAGAGATGGGAAACCCGCTCAT 899
Db      810 TGGGCTGTGTTGAGACTGCTCATTAAGGTGCTTTCATTTGAGAGATGGGAAACCCGCTCAT 869
Qy      900 CTTGAAGGCTGGTGAAGAGAGCTGTGTGAGATTCCTGTGCTCCAGGTGTCTCAGCTC 959
Db      870 CTTGAAGGCTGGTGAAGAGAGCTGTGTGAGATTCCTGTGCTCCAGGTGTCTCAGCTC 929
Qy      960 ACTGTCCCAAGCTGAGAGCAGGGAGTTCTGTGATTTCTTCCAGGGGAGAGGCCCA 1019
Db      930 ACTGTCCCAAGCTGAGAGCAGGGAGTTCTGTGATTTCTTCCAGGGGAGAGGCCCA 989
Qy      1020 GGAGGAGACCCCTGCTTCCATGCTTGGGCTGTGCTTTCTCAGATGACTGACTGCTGAG 1079
Db      990 GGAGGAGACCCCTGCTTCCATGCTTGGGCTGTGCTTTCTCAGATGACTGACTGCTGAG 1049
Qy      1080 AGGCTCTAGATTCTTGAATTCCTTTGTGCTCATGAGAGACCCAGCCTGGGAAACAGC 1139
Db      1050 AGGCTCTAGATTCTTGAATTCCTTTGTGCTCATGAGAGACCCAGCCTGGGAAACAGC 1109
Qy      1140 TGGCCGCACTGCGCCAGAGAGCGATGCAACCAACCAACAGGCGTGTCTTTGAGAGGA 1199
Db      1110 TGGCCGCACTGCGCCAGAGAGCGATGCAACCAACCAACAGGCGTGTCTTTGAGAGGA 1169
Qy      1200 ATGTCCCGAGTGTGACAAGAGGCTGTCTTGTGACATCATAGCTCATTTCCGCAACCCAT 1259
Db      1170 ATGTCCCGAGTGTGACAAGAGGCTGTCTTGTGACATCATAGCTCATTTCCGCAACCCAT 1229
Qy      1260 TTTCTGTGTGATGCTTTGTGTGGGGGCTGTGGCACTTCTTGTCTTCAAGTGAACAT 1319
Db      1230 TTTCTGTGTGATGCTTTGTGTGGGGGCTGTGGCACTTCTTGTCTTCAAGTGAACAT 1289
Qy      1320 CTCACCTTGCATTAATAGTCCAGTGTTCCTTCC 1354
Db      1290 CTCACCTTGCATTAATAGTCCAGTGTTCCTTCC 1324

RESULT 11
US-10-023-896-11
; Sequence 11, Application US/10023896
; Publication No. US2003002776A1
; GENERAL INFORMATION:
; APPLICANT: Victor Roschke
; TITLE OF INVENTION: 29 Human Cancer Associated Proteins
; FILE REFERENCE: PA004P1
; CURRENT APPLICATION NUMBER: US/10/023,896
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: unassigned
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: PCT/US00/23794
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152,296
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/158,003
; PRIOR FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 1388
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
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NAME/KEY: misc feature
LOCATION: (1388)..(1388)
OTHER INFORMATION: n equals a,t,g, or c
US-10-023-896-11

Query Match 88.8%; Score 1202; DB 14; Length 1388;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1213; Conservative 1; Mismatches 1; Indels 1; Gaps 1;

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QY 140 AGATAGCCATGTGTGAGCTTGAATTTGGCAATGACAAAGCCGAGGAGCCGAGCTGGGTG 199
DB 120 AGATAGCCATGTGTGAGCTTGAATTTGGCAATGACAAAGCCGAGGAGCCGAGCTGGGTG 179
QY 200 GCAAGTGGCCAGTGTCTTGTGAGAGAGGCTTTGTGACAGCCATGTCTGTGCAATCTGCTGG 259
DB 180 GCAAGTGGCCAGTGTCTTGTGAGAGAGGCTTTGTGACAGCCATGTCTGTGCAATCTGCTGG 239
QY 260 GCTCTGCTCTTTCATCTTCAATCGGAGTGCCTGTGCTCATTTGAGAAATGGAGACGACCTG 319
DB 240 GCTCTGCTCTTTCATCTTCAATCGGAGTGCCTGTGCTCATTTGAGAAATGGAGACGACCTG 299
QY 320 GGTCTGTGACAGCCGCGCTTGGCCCAAGGCTGTGCTTGGGGCTTGTGATTTGCCACGCTGG 379
DB 300 GGTCTGTGACAGCCGCGCTTGGCCCAAGGCTGTGCTTGGGGCTTGTGATTTGCCACGCTGG 359
QY 380 GGAATATCAGTGTGTGACACTTCAACCTGTGAGTGTCCCTGGACAGCCATGTATCGGAG 439
DB 360 GGAATATCAGTGTGTGACACTTCAACCTGTGAGTGTCCCTGGACAGCCATGTATCGGAG 419
QY 440 GCTTCAACTGTGTGATGTCTCTCCCTGATCTGAGTGTCTTCAAGCTGTCTGGGGAGATGCTCG 499
DB 420 GCTTCAACTGTGTGATGTCTCTCCCTGATCTGAGTGTCTTCAAGCTGTCTGGGGAGATGCTCG 479
QY 500 GGGCTCTGCTGTGACAGGCGGTGAGTGTGAGAGAGGCTTGTGAAATGCAATCTGGGGCGG 559
DB 480 GGGCTCTGCTGTGACAGGCGGTGAGTGTGAGAGAGGCTTGTGAAATGCAATCTGGGGCGG 539
QY 560 CCTTTGTGACAGTCCAGAGACAGGAGCGAGTGTGACAGGCGGTGTGAGTGTGAGATCATTC 619
DB 540 CCTTTGTGACAGTCCAGAGACAGGAGCGAGTGTGACAGGCGGTGTGAGTGTGAGATCATTC 599
QY 620 TGAACGCGCTGTGAGCGCTGTGATGTGATGTGATGTGATGTGATGTGATGTGATGTGATGTG 679
DB 600 TGAACGCGCTGTGAGCGCTGTGATGTGATGTGATGTGATGTGATGTGATGTGATGTGATGTG 659
QY 680 CTCTGCGCCCGTCTTCATCTGAGCTTGCCTGACCGAGATATCCCTGGGCTGGGGCGGCTGG 739
DB 660 CTCTGCGCCCGTCTTCATCTGAGCTTGCCTGACCGAGATATCCCTGGGCTGGGGCGGCTGG 719
QY 740 TGTCTGAGAGGCTGTGATGAAATCCCGCGCTGTGATGAAATCCCTGGGCTGGGGCGGCTGG 799
DB 720 TGTCTGAGAGGCTGTGATGAAATCCCGCGCTGTGATGAAATCCCTGGGCTGGGGCGGCTGG 779
QY 800 GGAACCTTCACTGTGATCTAATGAGCTGTGAGGAGGCTGTGAGGAGGCTGTGAGGAGGCTGTG 859
DB 780 GGAACCTTCACTGTGATCTAATGAGCTGTGAGGAGGCTGTGAGGAGGCTGTGAGGAGGCTGTG 839
QY 860 TCATTAAGTGTCTTCAATTTGAGAGATGGAGAACCCGCTCATCTGAAAGGCTCACTGAAGCA 919
DB 840 TCATTAAGTGTCTTCAATTTGAGAGATGGAGAACCCGCTCATCTGAAAGGCTCACTGAAGCA 899
QY 920 GAGCTCGTGGAGATTCCTGTGCTTCAAGTGTCTTCAAGCTCACTGTGCTTCCAGACTAGAGAC 979
DB 900 GAGCTCGTGGAGATTCCTGTGCTTCAAGTGTCTTCAAGCTCACTGTGCTTCCAGACTAGAGAC 959
QY 980 AGGGAGTGTCTGTGCAATTTCTGCGCAGAGGAGAGGCGCCAGAGAGAGAGAGAGAGAGAGAG 1039
DB 960 AGGGAGTGTCTGTGCAATTTCTGCGCAGAGGAGAGGCGCCAGAGAGAGAGAGAGAGAGAGAG 1019
QY 1040 CTGCTTGGGCTGTCTTCTCAATGTGACTGACTGTGAGAGAGGCTTGAAGTCTTGTGAAT 1099
DB 1020 CTGCTTGGGCTGTCTTCTCAATGTGACTGACTGTGAGAGAGGCTTGAAGTCTTGTGAAT 1079
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QY 1100 TCCTTGTGCTCATCAGAGACCCAGCCTGTGGGAAACAGCTGCGGCACTGCCAGAGAG 1159
DB 1080 TCCTTGTGCTCATCAGAGACCCAGCCTGTGGGAAACAGCTGCGGCACTGCCAGAGAG 1139
QY 1160 CAGTGCAAACCAACAACAAGAGCGTGTCTTGTGAGAGAAATGTCGCCAGTTGAGACAG 1219
DB 1140 CAGTGCAAACCAACAACAAGAGCGTGTCTTGTGAGAGAAATGTCGCCAGTTGAGACAG 1199
QY 1220 GAGCTGTGTTTGTGACATAGCTCATTTCCGACACCCATTTTGTGATTTGCTTTGT 1279
DB 1200 GAGCTGTGTTTGTGACATAGCTCATTTCCGACACCCATTTTGTGATTTGCTTTGT 1259
QY 1280 TGGGGGCTGTGCGCATTCTTCTTCTCAAGCTGTGACAAATCTT-CATTGTGCAATTAATAG 1338
DB 1260 TGGGGGCTGTGCGCATTCTTCTTCTTCTCAAGCTGTGACAAATCTTGTGCAATTAATAG 1319
QY 1339 TCCAGTGTTCCTTCC 1354
DB 1320 TCCAGTGTTCCTTCC 1335
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RESULT 12

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US-10-106-698-1986
Sequence 1986, Application US/10106698
Publication No. US20030109690A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
FILE REFERENCE: PA005P1
CURRENT APPLICATION NUMBER: US/10/106,698
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: PCT/US00/26524
PRIOR FILING DATE: 2000-09-28
PRIOR APPLICATION NUMBER: US 60/157,137
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: US 60/163,280
PRIOR FILING DATE: 1999-11-03
NUMBER OF SEQ ID NOS: 8564
SOFTWARE: Patemlin Ver. 3.0
SEQ ID NO 1986
LENGTH: 1712
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1688)..(1688)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (1692)..(1692)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (1697)..(1697)
OTHER INFORMATION: n equals a,t,g, or c
US-10-106-698-1986
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Query Match 88.8%; Score 1202; DB 15; Length 1712;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1213; Conservative 1; Mismatches 1; Indels 1; Gaps 1;

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QY 140 AGATAGCCATGTGTGAGCTTGAATTTGGCAATGACAAAGCCGAGGAGCCGAGCTGGGTG 199
DB 388 AGATAGCCATGTGTGAGCTTGAATTTGGCAATGACAAAGCCGAGGAGCCGAGCTGGGTG 447
QY 200 GCAAGTGGCCAGTGTCTTGTGAGAGAGGCTTTGTGACAGCCATGTCTGTGCAATCTGCTGG 259
DB 448 GCAAGTGGCCAGTGTCTTGTGAGAGAGGCTTTGTGACAGCCATGTCTGTGCAATCTGCTGG 507
QY 260 GCTCTGCTCTTTCATCTTCAATCGGAGTGCCTGTGCTCATTTGAGAAATGGAGACGACCTG 319
DB 508 GCTCTGCTCTTTCATCTTCAATCGGAGTGCCTGTGCTCATTTGAGAAATGGAGACGACCTG 567
QY 320 GGTCTGTGACAGCCGCGCTTGGCCCAAGGCTGTGCTTGGGGCTTGTGATTTGCCACGCTGG 379
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Db	568	GGCTGCTGACGCGGCGCTGGGCCAAGAGGCTGGCTTTGGGGGCGTGGATTGGCAACGCTGG	627
Oy	380	GGAAATATCATGTGTGGGACATTCAACCTTCGGGTGTCTCTGGGACGCAATGTGATCGAG	439
Db	628	GGAAATATCATGTGTGGGACATTCAACCTTCGGGTGTCTCTGGGACGCAATGTGATCGAG	687
Oy	440	GGCTCAACCTGGTGAATGCTCTCCCGTACTGGGTCTCAAGCTGCTCGGGGGGAAATGCTGG	499
Db	668	GGCTCAACCTGGTGAATGCTCTCCCGTACTGGGTCTCAAGCTGCTCGGGGGGAAATGCTGG	747
Oy	500	GGGCTGCGCTTTGGGCAAGGCGGTGAGTCTGAGGAGAGGTTCTGGAATGCAATCTGGGCGG	559
Db	748	GGGCTGCGCTTTGGGCAAGGCGGTGAGTCTGAGGAGAGGTTCTGGAATGCAATCTGGGCGG	807
Oy	560	CCTTTGTGACAGTCCAGAGACAGGGGCAAGTGGCAGAGGGCGTTGTGTGGACAGATCATCC	619
Db	808	CCTTTGTGACAGTCCAGAGACAGGGGCAAGTGGCAGAGGGCGTTGTGTGGACAGATCATCC	867
Oy	620	TGACGACGCTGTGGCCCTTGGCTGTATGCAATGGGTGCCATCAATGAGAAACAAAGGGCC	679
Db	868	TGACGACGCTGTGGCCCTTGGCTGTATGCAATGGGTGCCATCAATGAGAAACAAAGGGCC	927
Oy	680	CTCTGGGCGCGTTCCTCAATCGGCTTTGGCGGTCAACGCTGGAATATCCGGGCGGGGCGCTG	739
Db	928	CTCTGGGCGCGTTCCTCAATCGGCTTTGGCGGTCAACGCTGGAATATCCGGGCGGGGCGCTG	987
Oy	740	TGTCTGAGAGCTGCATGAAATCCCGCCGCTTTTGGACTGTGGGTGTGGCCAAACACT	799
Db	988	TGTCTGAGAGCTGCATGAAATCCCGCCGCTTTTGGACTGTGGGTGTGGCCAAACACT	104
Oy	800	GGAATCTTCCATCTGGAATCTATCTGGCTTGGGCCCACTCTGGCTGGCGCTTTGTGACTGC	859
Db	1048	GGAATCTTCCATCTGGAATCTATCTGGCTTGGGCCCACTCTGGCTGGCGCTTTGTGACTGC	110
Oy	860	TCATTAGGAGCTTCATTTGAGAGATGGGAAACCCGCGCTCATCCGAAAGGCTCGGTGAAGA	919
Db	1108	TCATTAGGAGCTTCATTTGAGAGATGGGAAACCCGCGCTCATCCGAAAGGCTCGGTGAAGA	116
Oy	920	GAGCTCGTGGGAATCTCGTGTCTCCAGGTGTCTTCACTCACTGTCCGACATGAGAC	979
Db	1168	GAGCTCGTGGGAATCTCGTGTCTCCAGGTGTCTTCACTCACTGTCCGACATGAGAC	122
Oy	960	AGGGGAGTTCTGCAATTTCTGCCCAGGGGCAAGGCCCAGAGAGCGACCCCTGCTTCCA	103
Db	1228	AGGGGAGTTCTGCAATTTCTGCCCAGGGGCAAGGCCCAGAGAGCGACCCCTGCTTCCA	128
Oy	1040	CTGCTTTGGGCGCGTCTTCTCAATATGACATGACTGTGAGAGAGGCTTATAGTCTTGGAAAT	109
Db	1288	CTGCTTTGGGCGCGTCTTCTCAATATGACATGACTGTGAGAGAGGCTTATAGTCTTGGAAAT	134
Oy	1100	TCCTTTGTGCTCATGAGAGACCCGACGCTGGGGAAACAAGCTGCCCCGACATGCCCCAGAG	115
Db	1348	TCCTTTGTGCTCATGAGAGACCCGACGCTGGGGAAACAAGCTGCCCCGACATGCCCCAGAG	140
Oy	1160	CAGTGCAAACACCAACAACGAGCGTGTCTTGAAGGAATGTCCCCGAGTTGACAAG	121
Db	1408	CAGTGCAAACACCAACAACGAGCGTGTCTTGAAGGAATGTCCCCGAGTTGACAAG	146
Oy	1220	GAGGCTGTTTTCTGCAATCATGACTATTTCCCGCACCCCATTTCTTGCTTGAATGCTTGT	127
Db	1468	GAGGCTGTTTTCTGCAATCATGACTATTTCCCGCACCCCATTTCTTGCTTGAATGCTTGT	152
Oy	1280	TGGGGGCGCTGGCACTTCTCTTGTCTTCAAGCTGACAATTTCTCACTTGGCAATTAATAG	133
Db	1528	TGGGGGCGCTGGCACTTCTCTTGTCTTCAAGCTGACAATTTCTCACTTGGCAATTAATAG	158
Oy	1339	TCCAGTGTTCCTTCC	1354
Db	1588	TCCAGTGTTCCTTCC	1603

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; Sequence 459, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Gineberg, Wendy M.
; APPLICANT: Glsh, Kurt C.
; APPLICANT: Glyme, Richard
; APPLICANT: Hevezl, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Bos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295, 027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663, 733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350, 666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335, 394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332, 464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334, 393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340, 376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347, 211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347, 349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355, 250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356, 714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1366
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 459
; LENGTH: 1309
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-027-459

Query Match      88.7%; Score 1200.4; DB 17; Length 1309;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1212; Conservative 0; Mismatches 1; Indels 1; Gaps 1

Oy    140 AGATAGCCCATGTGAGCGCTGAATTGGGCATATGACAAAGGCCAGCGCCTGGGGT 199
Db    95 AGATAGCCCATGTGAGCGCTGAATTGGGCATATGACAAAGGCCAGCGCCTGGGGT 154
Oy    200 GCAGGTGCGAGTGTCCTGCTGATACGACGAGCGTTTGTSCAGCAATGTCTGGTCGAATGCTCTG 259
Db    155 GCAGGTGCGAGTGTCCTGCTGATACGAGCGTTTGTSCAGCAATGTCTGGTCGAATGCTCTG 214
Oy    260 GCTGTGCTCTTTCATCTTCATCGGGTCTGTGCGTCAATTGAGAATGGACGACACTG 319
Db    215 GCTGTGCTCTTTCATCTTCATCGGGTCTGTGCGTCAATTGAGAATGGACGACACTG 274
Oy    320 GGCTGTGCGCACCGCGCCTTGCGCCACGCGGCTGGCTTTTGGGGCTCTGTATGTGCACGCTG 379
Db    275 GGCTGTGCGCACCGCGCCTTGCGCCACGCGGCTGGCTTTTGGGGCTCTGTATGTGCACGCTG 334
Oy    380 GGAATATCAGTGTGTGACACTTCAACCCTGCGGTGTCCCTGCGACGCAATGCTGATCGAG 439
Db    335 GGAATATCAGTGTGTGACACTTCAACCCTGCGGTGTCCCTGCGACGCAATGCTGATCGAG 394
Oy    440 GCCCTCAACTGTGTATGCTCTCCCGTAACGTGGATCTCAACAAGTGTGCGGGGGAATGCTCG 499

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Db 395 GCCTCAACCTGTGATGCTCTCCGTACTGGGTCTCAAGCTCTCGGGGGATGCTCG 454
QY 500 GGGCTGCTTGGCCCAAGCGGTGAGTCTTGAAGAGGTTCTGAATGATCATCTGGGGCGG 559
Db 455 GGGCTGCTTGGCCCAAGGTGTGAGTCTTGAAGAGGTTCTGAATGATCATCTGGGGCGG 514
QY 560 CCTTTGATGACAGTCCAGAGAGAGGGGCGAGGGGCGTGTGGCAAGATCATCC 619
Db 515 CTTTGTGACAGTCCAGAGAGAGGGGCGAGGGGCGTGTGGCAAGATCATCC 574
QY 620 TGAACAGCTGTGTGCTGCTGCTGTATGATGATGGTGCATCATAGAGCAAGAGGCC 679
Db 575 TGAACAGCTGTGTGCTGCTGCTGTATGATGATGGTGCATCATAGAGCAAGAGGCC 634
QY 680 CTCTGGGCGGCTTCTCATGCGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 739
Db 635 CTCTGGGCGGCTTCTCATGCGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 694
QY 740 TGTCTGAGAGCTGATGATATCCCGCGCTTGTGAGCTGAGCGGTGGTGGCAAGCACT 799
Db 695 TGTCTGAGAGCTGATGATATCCCGCGCTTGTGAGCTGAGCGGTGGTGGCAAGCACT 754
QY 800 GGAATCTTCCATGATCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 859
Db 755 GGAATCTTCCATGATCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 814
QY 860 TCAATTAGTGTCTTCAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 919
Db 815 TCAATTAGTGTCTTCAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 873
QY 920 GAGCTGTGAGATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 979
Db 874 GAGCTGTGAGATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 933
QY 980 AGGGAGGTTCTTCCATGAG 1039
Db 934 AGGGAGGTTCTTCCATGAG 993
QY 1040 CTGCTTGTGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1099
Db 994 CTGCTTGTGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1053
QY 1100 TCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1159
Db 1054 TCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1113
QY 1160 CAGTCAAAACACCAACAG 1219
Db 1114 CAGTCAAAACACCAACAG 1173
QY 1220 GAGGCTGTTTCTGACATGAGTCAATTTCCGACCCCAATTTCTTGTGATTTGCTTGT 1279
Db 1174 GAGGCTGTTTCTGACATGAGTCAATTTCCGACCCCAATTTCTTGTGATTTGCTTGT 1233
QY 1280 TGGGGGCTGCGCCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1339
Db 1234 TGGGGGCTGCGCCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1293
QY 1340 CGAGTGTTCCTTC 1353
Db 1294 CGAGTGTTCCTTC 1307

RESULT 14
US-10-396-943-6/c

; Sequence 6, Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Voikmuch, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP

; CURRENT APPLICATION NUMBER: US/10/396,943
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 6
; LENGTH: 562
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. US20030158085A1 227165F1
; NAME/KEY: unsure
; LOCATION: 525, 550
; OTHER INFORMATION: a, t, c, g, or other
; PUBLICATON INFORMATION:
US-10-396-943-6

Query Match 35.0%; Score 473.8; DB 16; Length 562;
Best Local Similarity 95.4%; Pred. No. 4.6e-135;
Matches 521; Conservative 0; Mismatches 18; Indels 7; Gaps 3;

QY 816 CTACTGCTGAGCCCA--CTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 870
Db 546 CTACTGCTGAGCCCACTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 487
QY 871 TTCAATTGGA--GATGGAG 928
Db 486 TTCAATTGGAAGATGAG 427
QY 929 GGAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 988
Db 426 GGAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 367
QY 989 CTTGATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1048
Db 366 CTTGATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 307
QY 1049 CTTGATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1108
Db 306 CTTGATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 247
QY 1109 CTGATCAGAGAGCCCAAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1168
Db 246 CTGATCAGAGAGCCCAAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 187
QY 1169 CACCAACAAG 1228
Db 186 CACCAACAAG 127
QY 1229 TCTGACATGAGTCAATTTCCGACCCCAATTTCTTGTGATTTGCTTGTGCTTGTGCT 1288
Db 126 TCTGACATGAGTCAATTTCCGACCCCAATTTCTTGTGATTTGCTTGTGCTTGTGCT 67
QY 1289 GGCACATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1348
Db 66 GGCACATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 7
QY 1349 CCTTCC 1354
Db 6 CCTTCC 1

RESULT 15
US-09-803-719-2329

; Sequence 2329, Application US/09803719
; Publication No. US20030044783A1
; GENERAL INFORMATION:
; APPLICANT: Williams, Lewis T.

```
APPLICANT: Escobedo, Jaime
APPLICANT: Imitis, Michael A.
APPLICANT: Garcia, Pablo Dominguez
APPLICANT: Sudduth-Klinger, Julie
APPLICANT: Reinhard, Christoph
APPLICANT: Giese, Klaus
APPLICANT: Randazzo, Filippo
APPLICANT: Kennedy, Giulia C.
APPLICANT: Pot, David
APPLICANT: Kassam, Altaf
APPLICANT: Lamson, George
APPLICANT: Drmanac, Radoje
APPLICANT: Crkvenjakov, Radomir
APPLICANT: Dickson, Mark
APPLICANT: Drmanac, Snezana
APPLICANT: Labat, Ivan
APPLICANT: Leshkowitz, Dena
APPLICANT: Kita, David
APPLICANT: Garcia, Veronica
APPLICANT: Jones, Lee William
APPLICANT: Stache-Crain, Birgit
TITLE OF INVENTION: Human Genes and Gene Products
FILE REFERENCE: 1624.002
CURRENT APPLICATION NUMBER: US/09/803,719
CURRENT FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: 60/188,609
PRIOR FILING DATE: 2000-03-09
NUMBER OF SEQ ID NOS: 2396
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2329
LENGTH: 321
TYPE: DNA
ORGANISM: Homo sapiens
US-09-803-719-2329
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Best Local Similarity 99.1%; Pred. No. 2.4e-86;
Matches 317; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 668 AGACAAAGGGCCCTCTGCGCCCGCTTCTCCATCGGCTTTGCGGTCAACCGTGATATCTGG 727
Db 1 AGACAAAGGGCCCTCTGCGCCCGCTTCTCCATCGGCTTTGCGGTCAACCGTGATATCTGG 60
QY 728 CTGGGGGCGCTGTGTCTGAGGCTGCAGATATCCCGCCGCTTTTGGACCTGGCGGTGG 787
Db 61 CTGGGGGCGCTGTGTCTGAGGCTGCAGATATCCCGCCGCTTTTGGACCTGGCGGTGG 120
QY 788 TGGCAACCACTGAACTTCCACTGATCTACTGGCTGGGCCCACTCCCTGGGCTGGCTGC 847
Db 121 TGGCAACCACTGAACTTCCACTGATCTACTGGCTGGGCCCACTCCCTGGGCTGGCTGC 180
QY 848 TTGTTGACTGTCTATTAGTGCTTCAATTGAGATGGAGAACCCGCTCATCTGAAG 907
Db 181 TTGTTGACTGTCTATTAGTGCTTCAATTGAGATGGAGAACCCGCTCATCTGAAG 240
QY 908 CTCCGTGAAGCAGACTGCTGGATTTCTGCTGCTCCAGGTCTCTCACTCACTGTCC 967
Db 241 CTCCGTGAAGCAGACTGCTGGATTTCTGCTGCTCCAGGTCTCTCACTCACTGTCC 300
QY 968 CAGACTGAGACAGGGGAGT 987
Db 301 CAGACTGAGACAGGGGAGT 320
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Search completed: February 7, 2005, 03:35:26
Job time : 752.327 secs

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